Full wwPDB NMR Structure Validation Report (i)

Mar 6, 2026 – 06:26 AM UTC

PDB ID	:	6G8O / pdb_00006g8o
BMRB ID	:	27432
Title	:	Solution structure of the cross-linked SAM domain dimer of murine SLy1
Authors	:	Kukuk, L.K.; Dingley, A.J.; Koenig, B.W.
Deposited on	:	2018-04-09

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

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

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

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

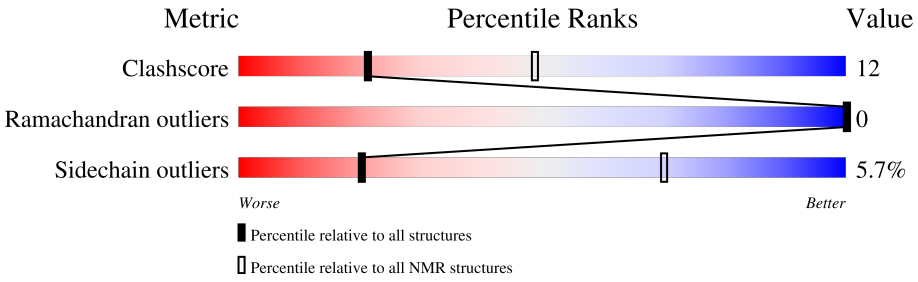
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 46%.

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	69	62% 28% • 9%
1	B	69	62% 28% • 9%

2 Ensemble composition and analysis (i)

This entry contains 15 models. Model 5 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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:2-A:64, B:2-B:64 (126)	0.29	5

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 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2226 atoms, of which 1110 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called SAM and SH3 domain-containing protein 3.

Mol	Chain	Residues	Atoms						Trace
1	A	69	Total	C	H	N	O	S	0
			1113	349	555	94	113	2	
1	B	69	Total	C	H	N	O	S	0
			1113	349	555	94	113	2	

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP Q8K352
A	68	CYS	SER	engineered mutation	UNP Q8K352
B	1	GLY	-	expression tag	UNP Q8K352
B	68	CYS	SER	engineered mutation	UNP Q8K352

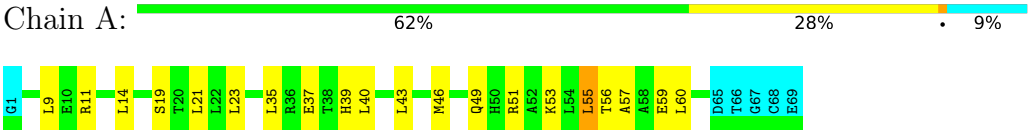
4 Residue-property plots (i)

4.1 Average score per residue in the NMR ensemble

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

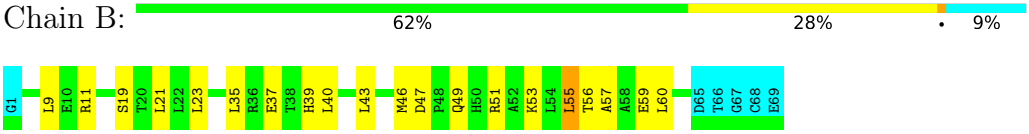
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

Chain B:



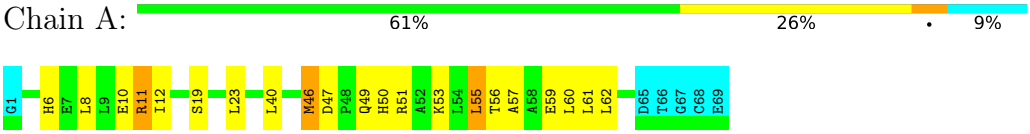
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

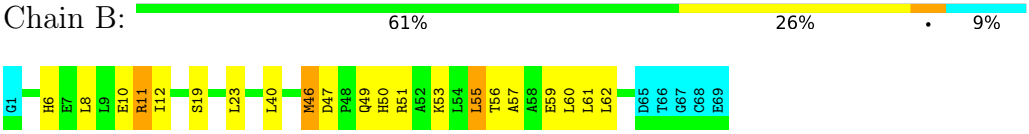
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

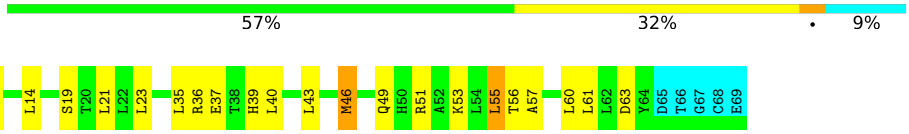
Chain B:



4.2.2 Score per residue for model 2

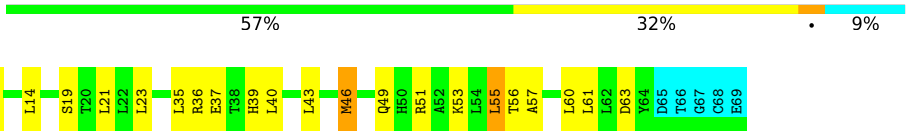
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

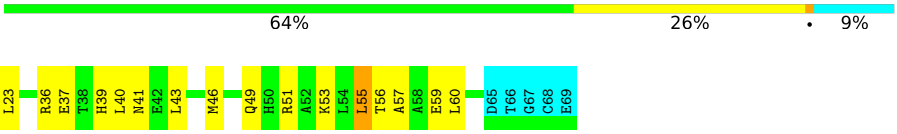
Chain B:



4.2.3 Score per residue for model 3

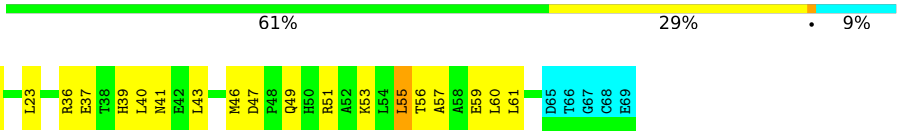
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

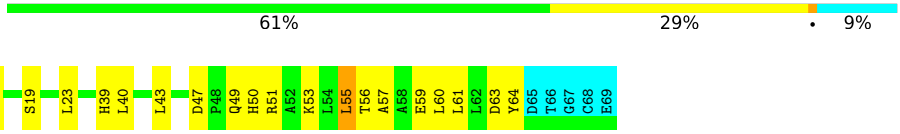
Chain B:



4.2.4 Score per residue for model 4

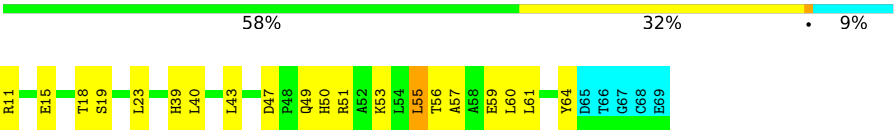
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

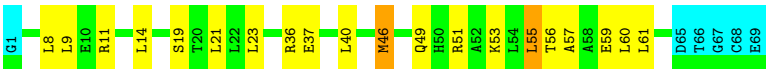
Chain B:



4.2.5 Score per residue for model 5 (medoid)

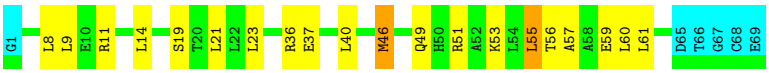
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

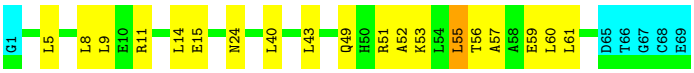
Chain B:



4.2.6 Score per residue for model 6

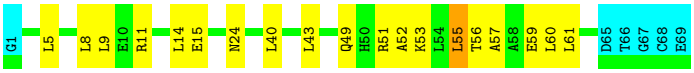
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

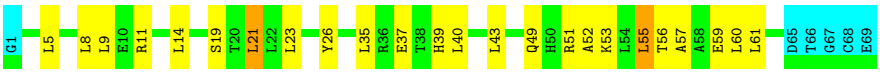
Chain B:



4.2.7 Score per residue for model 7

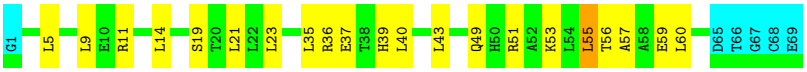
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

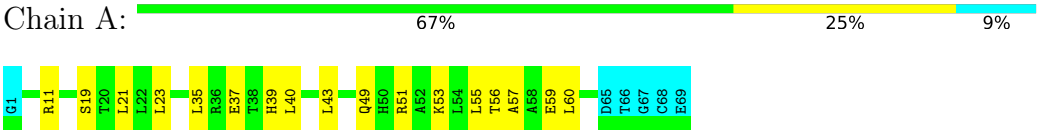
Chain B:



4.2.8 Score per residue for model 8

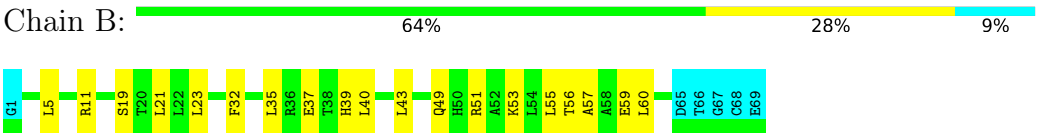
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

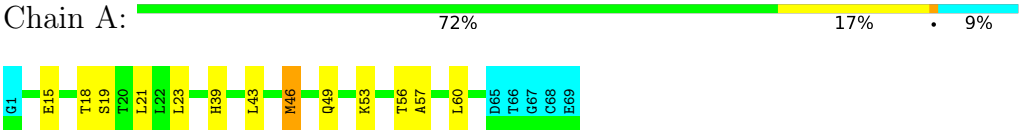
Chain B:



4.2.9 Score per residue for model 9

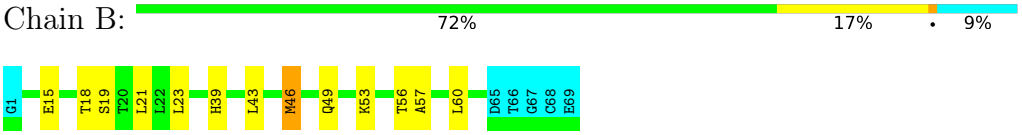
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

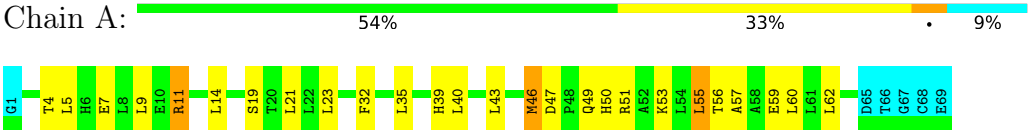
Chain B:



4.2.10 Score per residue for model 10

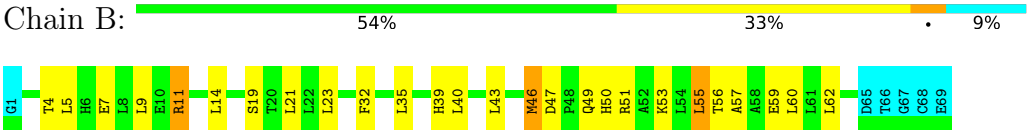
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

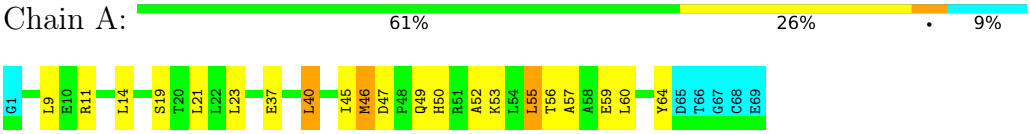
Chain B:



4.2.11 Score per residue for model 11

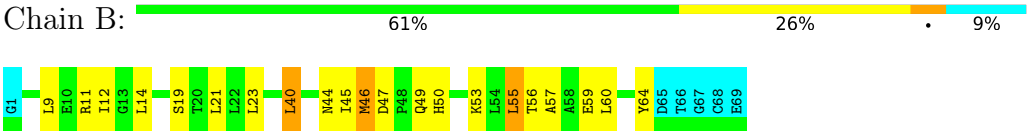
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

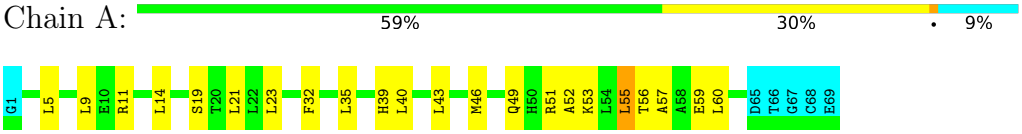
Chain B:



4.2.12 Score per residue for model 12

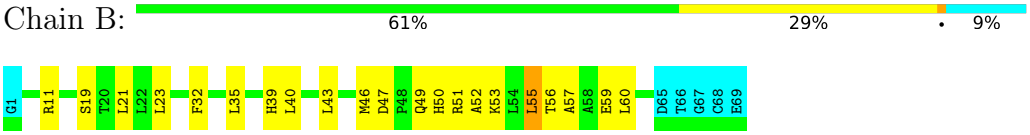
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

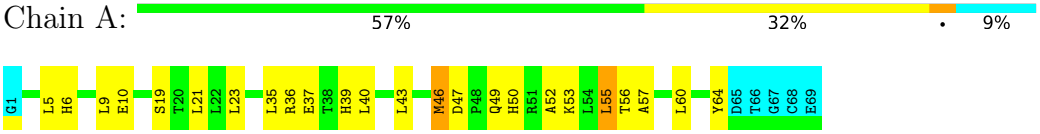
Chain B:



4.2.13 Score per residue for model 13

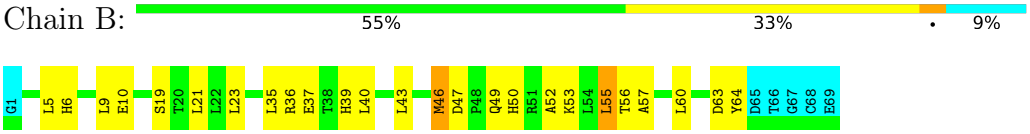
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

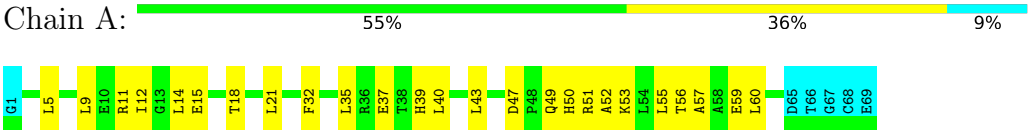
Chain B:



4.2.14 Score per residue for model 14

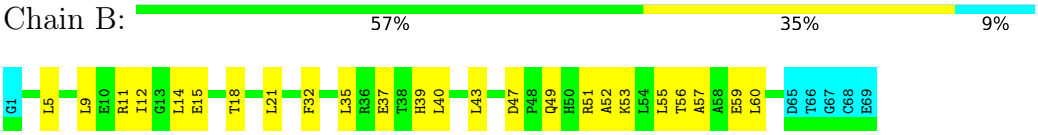
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

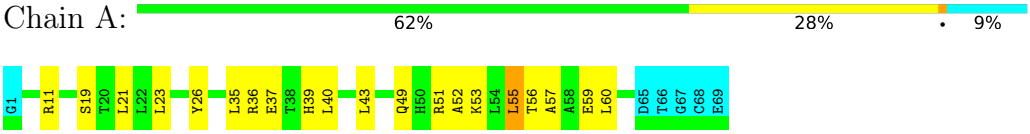
Chain B:



4.2.15 Score per residue for model 15

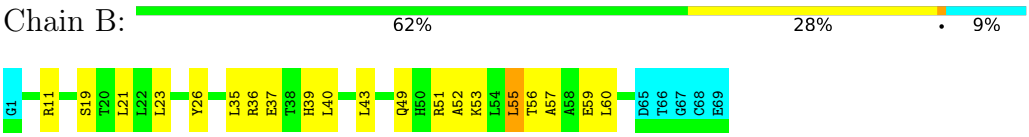
• Molecule 1: SAM and SH3 domain-containing protein 3

Chain A:



• Molecule 1: SAM and SH3 domain-containing protein 3

Chain B:



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 15 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
CNS	structure calculation	
CNS	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	892
Number of shifts mapped to atoms	892
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	46%

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	0.43±0.01	0±0/528 (0.0± 0.0%)	0.75±0.02	0±0/715 (0.0± 0.0%)
1	B	0.43±0.01	0±0/528 (0.0± 0.0%)	0.75±0.01	0±0/715 (0.0± 0.1%)
All	All	0.43	0/15840 (0.0%)	0.75	2/21450 (0.0%)

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	47	ASP	CA-C-N	5.04	124.21	118.97	3	1
1	B	47	ASP	C-N-CA	5.04	124.21	118.97	3	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	519	526	522	15±3
1	B	519	526	522	15±3
All	All	15570	15780	15660	370

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 12.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:39:HIS:O	1:A:43:LEU:HG	0.67	1.90	2	10
1:B:39:HIS:O	1:B:43:LEU:HG	0.66	1.91	3	10
1:A:37:GLU:N	1:A:55:LEU:HD11	0.59	2.12	14	7
1:B:37:GLU:N	1:B:55:LEU:HD11	0.59	2.12	14	7
1:A:64:TYR:O	1:B:64:TYR:HB3	0.57	1.98	13	2
1:A:64:TYR:HB3	1:B:64:TYR:O	0.57	1.99	13	2
1:A:46:MET:HE2	1:A:46:MET:HA	0.56	1.76	5	8
1:B:46:MET:HA	1:B:46:MET:HE2	0.56	1.76	5	7
1:A:55:LEU:O	1:A:59:GLU:HG2	0.55	2.02	5	12
1:A:35:LEU:HD11	1:A:40:LEU:HD11	0.55	1.78	7	8
1:B:49:GLN:O	1:B:53:LYS:HG3	0.55	2.02	15	15
1:B:55:LEU:O	1:B:59:GLU:HG2	0.55	2.02	10	12
1:B:35:LEU:HD11	1:B:40:LEU:HD11	0.54	1.79	7	8
1:A:49:GLN:O	1:A:53:LYS:HG3	0.53	2.02	15	15
1:A:51:ARG:O	1:A:55:LEU:HD22	0.53	2.03	6	7
1:B:51:ARG:O	1:B:55:LEU:HD22	0.53	2.03	6	7
1:A:8:LEU:HG	1:A:61:LEU:HD11	0.53	1.81	6	5
1:B:8:LEU:HG	1:B:61:LEU:HD11	0.52	1.81	6	5
1:B:40:LEU:CD2	1:B:51:ARG:HA	0.52	2.34	15	5
1:A:40:LEU:CD2	1:A:51:ARG:HA	0.52	2.34	15	4
1:B:46:MET:HE2	1:B:46:MET:HA	0.51	1.81	9	1
1:A:57:ALA:O	1:A:61:LEU:HG	0.51	2.06	4	5
1:A:56:THR:HG21	1:B:53:LYS:O	0.50	2.06	14	15
1:A:4:THR:OG1	1:A:7:GLU:HG2	0.50	2.06	10	2
1:A:53:LYS:O	1:B:56:THR:HG21	0.50	2.07	14	15
1:B:19:SER:O	1:B:23:LEU:HG	0.50	2.06	5	13
1:A:19:SER:O	1:A:23:LEU:HG	0.50	2.06	5	13
1:B:4:THR:OG1	1:B:7:GLU:HG2	0.50	2.07	10	2
1:A:57:ALA:HA	1:B:60:LEU:HD22	0.50	1.83	4	15
1:A:53:LYS:CG	1:B:52:ALA:HB1	0.49	2.37	12	4
1:A:2:PRO:HD3	1:B:63:ASP:OD1	0.49	2.07	2	1
1:A:52:ALA:HB1	1:B:53:LYS:CG	0.49	2.37	12	6
1:B:57:ALA:O	1:B:61:LEU:HG	0.49	2.06	4	5
1:A:60:LEU:HD22	1:B:57:ALA:HA	0.48	1.84	4	15
1:A:63:ASP:OD1	1:B:2:PRO:HD3	0.48	2.07	2	1
1:A:11:ARG:NH2	1:B:62:LEU:HD23	0.48	2.24	1	2
1:A:41:ASN:HA	1:A:46:MET:SD	0.47	2.50	3	1
1:A:32:PHE:O	1:A:35:LEU:HB3	0.47	2.10	10	2
1:A:62:LEU:HD23	1:B:11:ARG:NH2	0.47	2.25	10	2
1:B:47:ASP:HB2	1:B:50:HIS:HB2	0.46	1.87	11	6
1:B:32:PHE:O	1:B:35:LEU:HB3	0.46	2.11	10	2
1:B:41:ASN:HA	1:B:46:MET:SD	0.46	2.50	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:36:ARG:C	1:B:55:LEU:HD11	0.45	2.36	3	5
1:A:47:ASP:HB2	1:A:50:HIS:HB2	0.45	1.87	1	6
1:A:36:ARG:C	1:A:55:LEU:HD11	0.45	2.36	3	4
1:A:12:ILE:CG2	1:B:56:THR:HG23	0.44	2.42	14	3
1:A:15:GLU:HA	1:A:18:THR:OG1	0.44	2.13	14	2
1:B:5:LEU:HD21	1:B:32:PHE:CD2	0.44	2.48	14	3
1:A:56:THR:HG23	1:B:12:ILE:CG2	0.44	2.43	14	3
1:A:5:LEU:HD21	1:A:32:PHE:CD2	0.43	2.48	14	2
1:B:47:ASP:O	1:B:51:ARG:HG3	0.43	2.14	14	1
1:B:24:ASN:CG	1:B:43:LEU:HG	0.43	2.39	6	1
1:B:15:GLU:HA	1:B:18:THR:OG1	0.43	2.13	14	3
1:A:35:LEU:CD1	1:A:40:LEU:HD11	0.43	2.43	12	1
1:A:52:ALA:HB3	1:B:52:ALA:HB3	0.43	1.91	15	1
1:A:9:LEU:HD12	1:A:14:LEU:O	0.42	2.14	2	8
1:B:9:LEU:HD12	1:B:14:LEU:O	0.42	2.14	2	7
1:B:35:LEU:CD1	1:B:40:LEU:HD11	0.42	2.43	12	1
1:A:24:ASN:CG	1:A:43:LEU:HG	0.42	2.39	6	1
1:A:47:ASP:O	1:A:51:ARG:HG3	0.42	2.13	14	1
1:B:47:ASP:CB	1:B:50:HIS:HB2	0.42	2.45	13	1
1:A:5:LEU:O	1:A:9:LEU:HD23	0.42	2.15	6	4
1:B:37:GLU:HB2	1:B:55:LEU:HD21	0.42	1.91	15	1
1:A:39:HIS:O	1:A:43:LEU:HD13	0.42	2.15	4	1
1:B:5:LEU:O	1:B:9:LEU:HD23	0.42	2.15	6	3
1:B:39:HIS:O	1:B:43:LEU:HD13	0.42	2.14	4	1
1:A:37:GLU:HB2	1:A:55:LEU:HD21	0.42	1.92	11	2
1:A:47:ASP:CB	1:A:50:HIS:HB2	0.42	2.45	13	2
1:B:40:LEU:HG	1:B:45:ILE:HB	0.42	1.92	11	1
1:A:40:LEU:HG	1:A:45:ILE:HB	0.41	1.92	11	1
1:B:6:HIS:O	1:B:10:GLU:HG3	0.41	2.16	13	2
1:B:40:LEU:HD23	1:B:51:ARG:HG2	0.41	1.92	2	1
1:B:35:LEU:O	1:B:36:ARG:HD3	0.41	2.15	15	1
1:A:6:HIS:O	1:A:10:GLU:HG3	0.41	2.15	1	2
1:A:21:LEU:HB3	1:A:26:TYR:HB2	0.41	1.93	7	2
1:A:60:LEU:O	1:A:64:TYR:HB2	0.41	2.16	4	1
1:A:35:LEU:O	1:A:36:ARG:HD3	0.41	2.16	15	1
1:A:40:LEU:HD23	1:A:51:ARG:HG2	0.41	1.92	2	1
1:B:46:MET:HA	1:B:46:MET:CE	0.40	2.46	2	1
1:A:63:ASP:OD2	1:B:2:PRO:HD3	0.40	2.16	4	1
1:B:60:LEU:O	1:B:64:TYR:HB2	0.40	2.16	4	1
1:B:21:LEU:HB3	1:B:26:TYR:HB2	0.40	1.93	15	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	63/69 (91%)	61±1 (96±1%)	2±1 (4±1%)	0±0 (0±0%)	100	100
1	B	63/69 (91%)	61±1 (96±1%)	2±1 (4±1%)	0±0 (0±0%)	100	100
All	All	1890/2070 (91%)	1818 (96%)	72 (4%)	0 (0%)	100	100

There are no Ramachandran outliers.

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	58/62 (94%)	55±1 (94±2%)	3±1 (6±2%)	21	70
1	B	58/62 (94%)	55±1 (94±2%)	3±1 (6±2%)	20	70
All	All	1740/1860 (94%)	1641 (94%)	99 (6%)	20	70

All 15 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	11	ARG	12
1	A	55	LEU	12
1	B	11	ARG	12
1	B	55	LEU	12
1	A	21	LEU	10
1	B	21	LEU	10
1	A	46	MET	7
1	B	46	MET	7
1	A	40	LEU	6
1	B	40	LEU	6

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Mol	Chain	Res	Type	Models (Total)
1	A	5	LEU	1
1	B	5	LEU	1
1	A	15	GLU	1
1	B	15	GLU	1
1	B	44	ASN	1

6.3.3 RNA

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 46% for the well-defined parts and 46% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

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	892
Number of shifts mapped to atoms	892
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	68	-0.43 ± 0.26	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	65	0.06 ± 0.15	None needed (< 0.5 ppm)
$^{13}C'$	66	-0.11 ± 0.27	None needed (< 0.5 ppm)
^{15}N	66	0.86 ± 0.25	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 46%, i.e. 849 atoms were assigned a chemical shift out of a possible 1832. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	312/626 (50%)	126/252 (50%)	125/252 (50%)	61/122 (50%)
Sidechain	495/1086 (46%)	334/706 (47%)	155/346 (45%)	6/34 (18%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	42/120 (35%)	21/58 (36%)	21/46 (46%)	0/16 (0%)
Overall	849/1832 (46%)	481/1016 (47%)	301/644 (47%)	67/172 (39%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 46%, i.e. 892 atoms were assigned a chemical shift out of a possible 1936. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	337/690 (49%)	137/280 (49%)	134/276 (49%)	66/134 (49%)
Sidechain	513/1126 (46%)	346/730 (47%)	161/362 (44%)	6/34 (18%)
Aromatic	42/120 (35%)	21/58 (36%)	21/46 (46%)	0/16 (0%)
Overall	892/1936 (46%)	504/1068 (47%)	316/684 (46%)	72/184 (39%)

7.1.4 Statistically unusual chemical shifts (i)

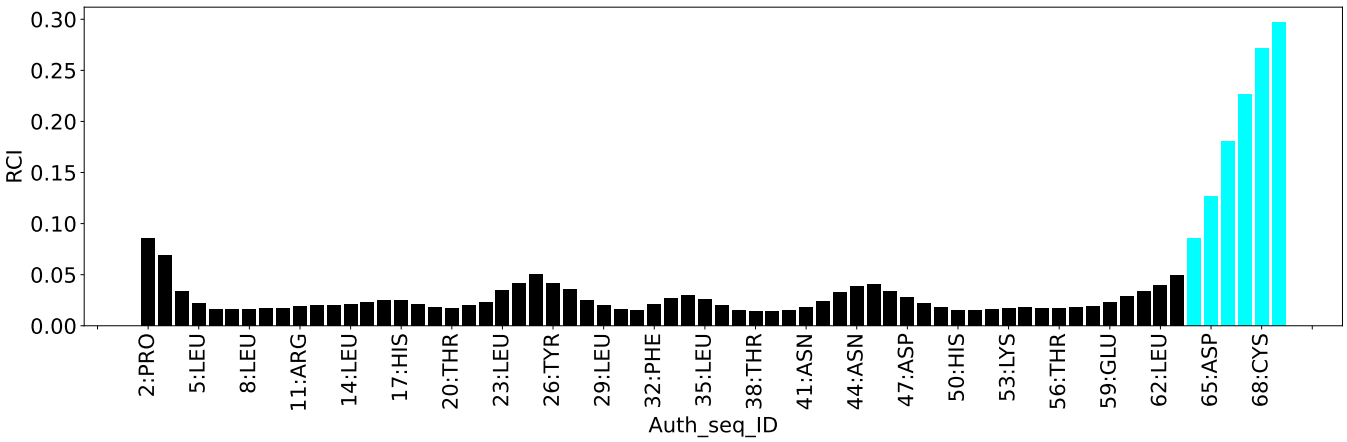
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	16	GLU	HG3	1.15	1.20 – 3.30	-5.2

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:PRO
5:LEU
8:LEU
11:ARG
14:LEU
17:HIS
20:THR
23:LEU
26:TYR
29:LEU
32:PHE
35:LEU
38:THR
41:ASN
44:ASN
47:ASP
50:HIS
53:LYS
56:THR
59:GLU
62:LEU
65:ASP
68:CYS
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	8118
Intra-residue (|i-j|=0)	1844
Sequential (|i-j|=1)	1546
Medium range (|i-j|>1 and |i-j|<5)	1998
Long range (|i-j|≥5)	1894
Inter-chain	836
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	142
Number of unmapped restraints	0
Number of restraints per residue	59.9
Number of long range restraints per residue[1]	13.7

[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)	260.3	0.2
0.2-0.5 (Medium)	542.8	0.5
>0.5 (Large)	802.7	3.86

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)	10.5	9.63
10.0-20.0 (Medium)	0.5	19.58
>20.0 (Large)	0.8	31.43

9 Distance violation analysis (i)

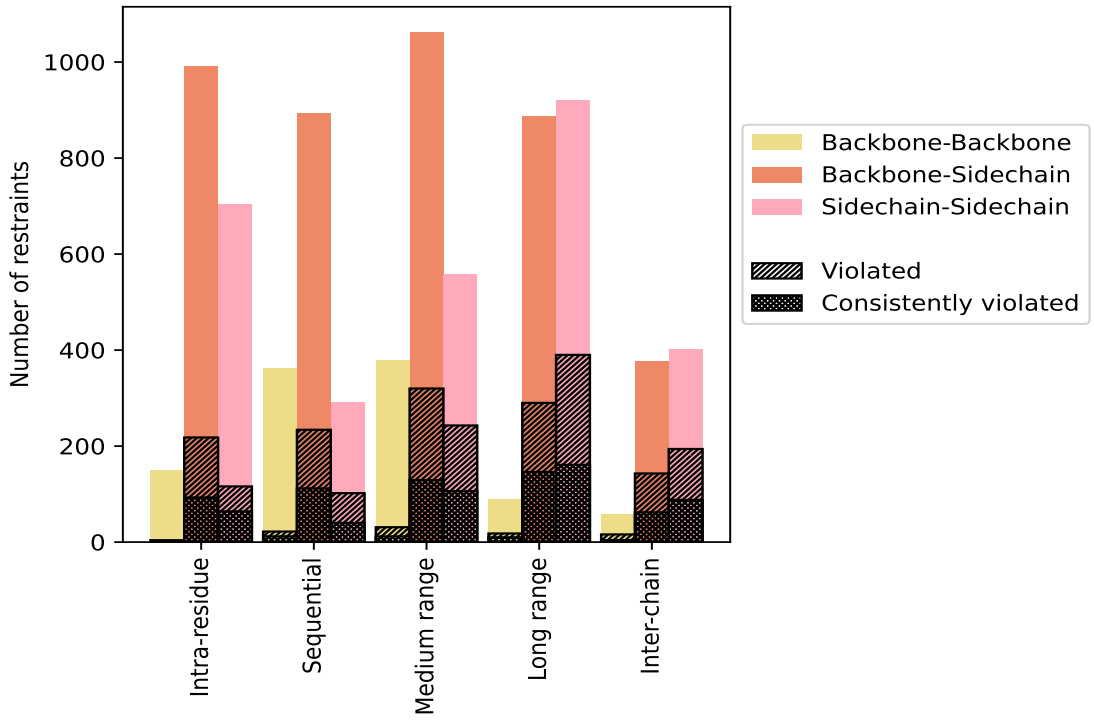
9.1 Summary of distance violations (i)

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)	1844	22.7	338	18.3	4.2	157	8.5	1.9
Backbone-Backbone	150	1.8	4	2.7	0.0	0	0.0	0.0
Backbone-Sidechain	990	12.2	218	22.0	2.7	93	9.4	1.1
Sidechain-Sidechain	704	8.7	116	16.5	1.4	64	9.1	0.8
Sequential (|i-j|=1)	1546	19.0	358	23.2	4.4	164	10.6	2.0
Backbone-Backbone	362	4.5	22	6.1	0.3	12	3.3	0.1
Backbone-Sidechain	892	11.0	234	26.2	2.9	112	12.6	1.4
Sidechain-Sidechain	292	3.6	102	34.9	1.3	40	13.7	0.5
Medium range (|i-j|>1 & |i-j|<5)	1998	24.6	594	29.7	7.3	247	12.4	3.0
Backbone-Backbone	378	4.7	31	8.2	0.4	12	3.2	0.1
Backbone-Sidechain	1062	13.1	320	30.1	3.9	129	12.1	1.6
Sidechain-Sidechain	558	6.9	243	43.5	3.0	106	19.0	1.3
Long range (|i-j|≥5)	1894	23.3	698	36.9	8.6	317	16.7	3.9
Backbone-Backbone	88	1.1	18	20.5	0.2	10	11.4	0.1
Backbone-Sidechain	886	10.9	290	32.7	3.6	146	16.5	1.8
Sidechain-Sidechain	920	11.3	390	42.4	4.8	161	17.5	2.0
Inter-chain	836	10.3	353	42.2	4.3	154	18.4	1.9
Backbone-Backbone	58	0.7	16	27.6	0.2	4	6.9	0.0
Backbone-Sidechain	376	4.6	143	38.0	1.8	62	16.5	0.8
Sidechain-Sidechain	402	5.0	194	48.3	2.4	88	21.9	1.1
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	8118	100.0	2341	28.8	28.8	1039	12.8	12.8
Backbone-Backbone	1036	12.8	91	8.8	1.1	38	3.7	0.5
Backbone-Sidechain	4206	51.8	1205	28.6	14.8	542	12.9	6.7
Sidechain-Sidechain	2876	35.4	1045	36.3	12.9	459	16.0	5.7

[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	254	290	411	416	239	1610	0.63	3.47	0.49	0.49
2	244	280	406	450	262	1642	0.65	3.46	0.5	0.5
3	251	286	402	440	235	1614	0.64	3.34	0.48	0.51
4	255	282	411	413	243	1604	0.65	3.61	0.5	0.51
5	252	264	407	420	266	1609	0.63	3.4	0.49	0.5
6	250	278	418	396	256	1598	0.65	3.52	0.5	0.51
7	258	271	401	438	253	1621	0.63	3.3	0.49	0.5
8	250	278	397	443	238	1606	0.64	3.7	0.5	0.51
9	258	300	394	465	234	1651	0.65	3.81	0.52	0.5
10	240	283	399	427	248	1597	0.64	3.47	0.48	0.51

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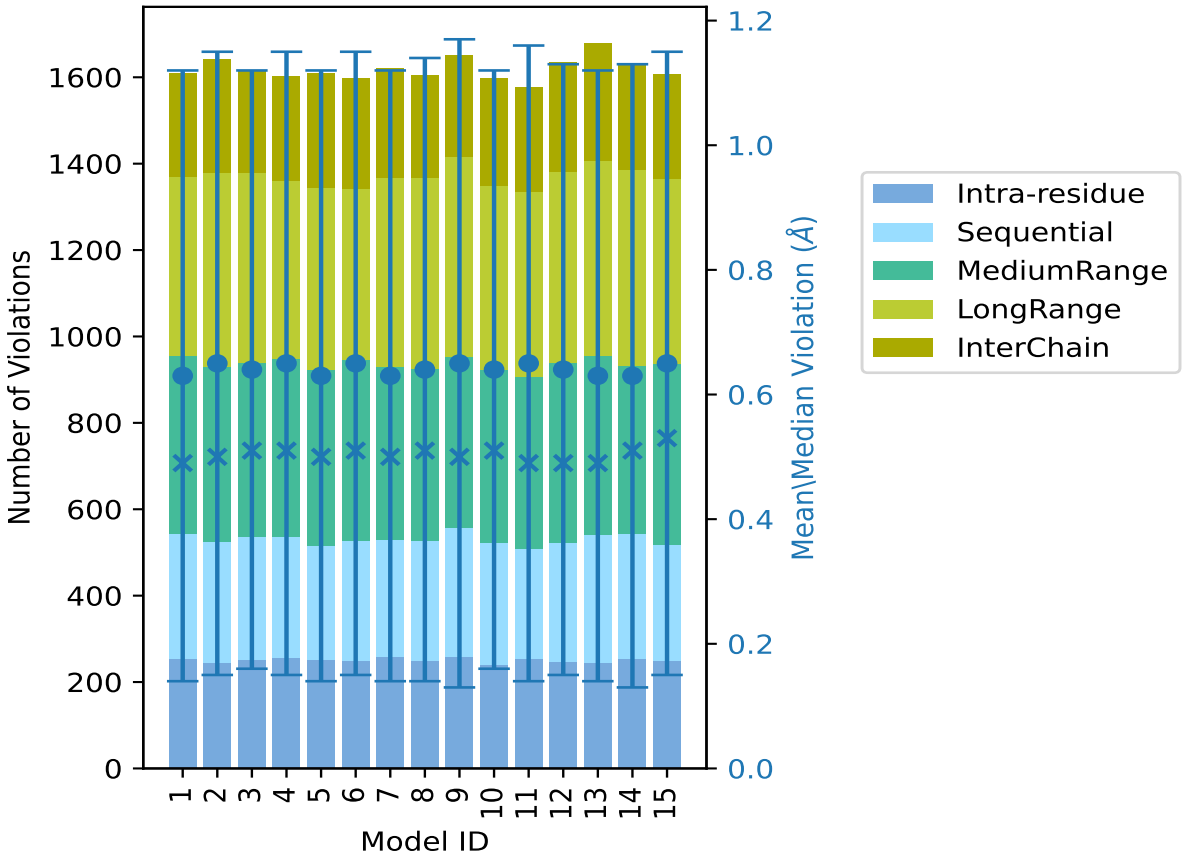
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	253	256	398	428	242	1577	0.65	3.52	0.51	0.49
12	247	275	416	444	253	1635	0.64	3.3	0.49	0.49
13	245	297	413	452	272	1679	0.63	3.33	0.49	0.49
14	254	290	389	453	241	1627	0.63	3.86	0.5	0.51
15	249	270	417	429	242	1607	0.65	3.5	0.5	0.53

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

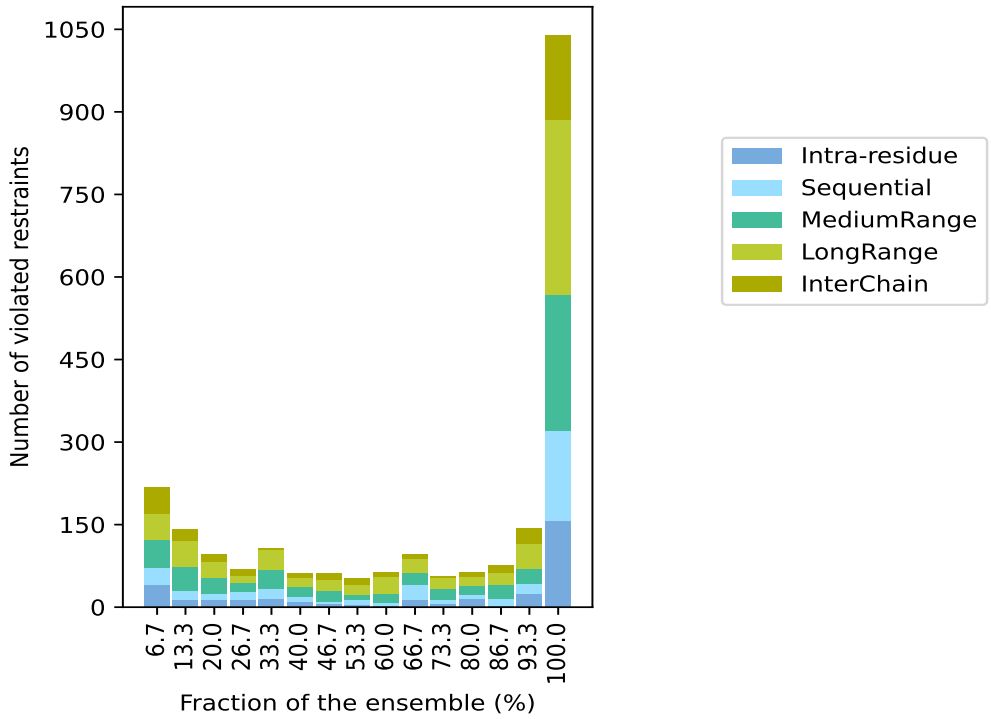
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 5777(IR:1506, SQ:1188, MR:1404, LR:1196, IC:483) 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]	%
41	31	50	47	48	217	1	6.7
14	17	42	48	21	142	2	13.3
13	12	28	29	14	96	3	20.0
13	15	16	14	11	69	4	26.7
16	17	36	35	2	106	5	33.3
9	10	18	16	9	62	6	40.0
6	4	20	19	12	61	7	46.7
5	8	10	18	12	53	8	53.3
3	5	17	31	8	64	9	60.0
14	28	20	25	9	96	10	66.7
6	7	21	19	2	55	11	73.3
14	9	16	15	9	63	12	80.0
2	14	26	20	13	75	13	86.7
25	17	27	45	29	143	14	93.3
157	164	247	317	154	1039	15	100.0

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

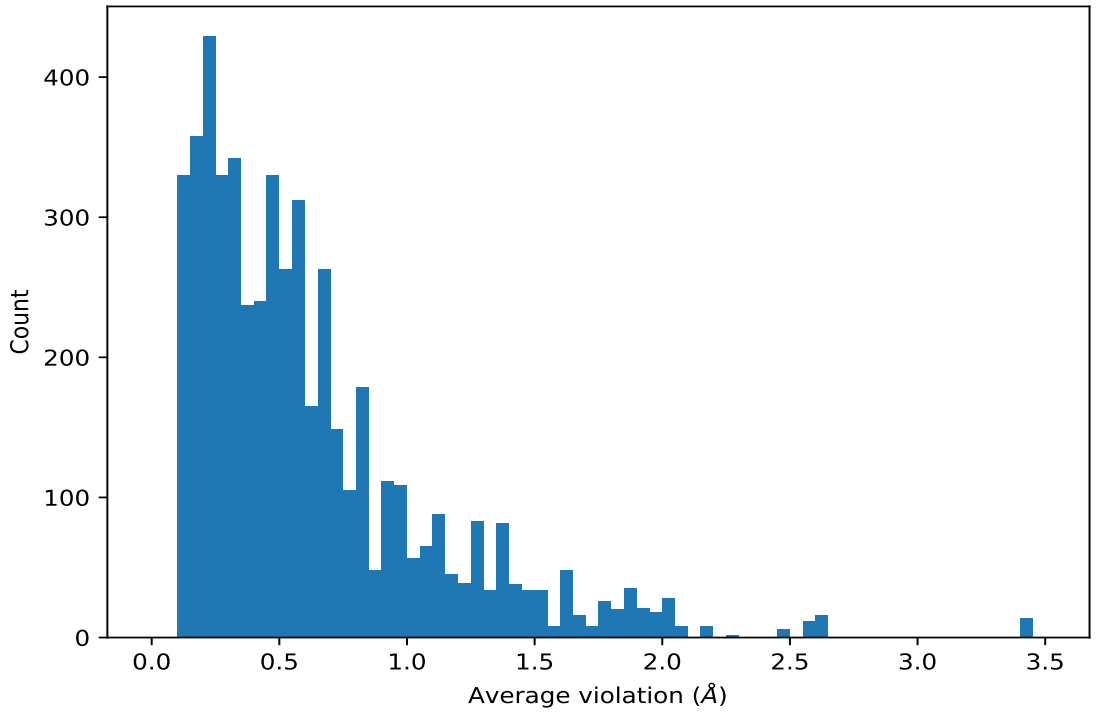
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD22	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD23	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD21	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD23	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD21	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD22	15	3.42	0.09	3.42
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD23	15	3.42	0.09	3.42
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD22	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD23	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD21	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD23	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD21	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD22	15	3.41	0.09	3.42
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD23	15	3.41	0.09	3.42
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	15	2.62	0.91	2.71
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD11	15	2.62	0.91	2.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	15	2.62	0.91	2.71
(1,2644)	1:55:B:LEU:HD13	1:56:B:THR:HG22	15	2.62	0.91	2.71
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	15	2.62	0.91	2.7
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD11	15	2.62	0.91	2.7
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	15	2.62	0.91	2.7
(1,2643)	1:55:A:LEU:HD13	1:56:A:THR:HG22	15	2.62	0.91	2.7
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	15	2.61	0.18	2.59
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD21	15	2.61	0.18	2.59
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	15	2.61	0.18	2.59
(1,2060)	1:33:B:LYS:HD3	1:29:B:LEU:HD23	15	2.61	0.18	2.59
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	15	2.61	0.18	2.59
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD21	15	2.61	0.18	2.59
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	15	2.61	0.18	2.59
(1,2059)	1:33:A:LYS:HD3	1:29:A:LEU:HD23	15	2.61	0.18	2.59
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	15	2.57	0.12	2.54
(1,2910)	1:56:B:THR:HG23	1:50:A:HIS:HB3	15	2.57	0.12	2.54
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	15	2.57	0.12	2.54
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	15	2.57	0.12	2.53
(1,2909)	1:56:A:THR:HG23	1:50:B:HIS:HB3	15	2.57	0.12	2.53
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	15	2.57	0.12	2.53
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	15	2.48	0.2	2.48
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	15	2.48	0.2	2.48
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD13	15	2.48	0.2	2.48
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	15	2.48	0.19	2.49
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	15	2.48	0.19	2.49
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD13	15	2.48	0.19	2.49
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	15	2.3	0.1	2.32
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	15	2.3	0.1	2.31
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	15	2.18	0.32	2.16
(1,3083)	1:60:A:LEU:HD13	1:2:B:PRO:HD2	15	2.18	0.32	2.16
(1,3083)	1:60:A:LEU:HD12	1:2:B:PRO:HD2	15	2.18	0.32	2.16
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	15	2.18	0.31	2.19
(1,3084)	1:60:B:LEU:HD13	1:2:A:PRO:HD2	15	2.18	0.31	2.19
(1,3084)	1:60:B:LEU:HD12	1:2:A:PRO:HD2	15	2.18	0.31	2.19
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	15	2.09	0.28	2.05
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB2	15	2.09	0.28	2.05
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB1	15	2.09	0.28	2.05
(1,1561)	1:33:A:LYS:HE3	1:8:A:LEU:HG	15	2.09	0.28	2.05
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	15	2.09	0.28	2.05
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB2	15	2.09	0.28	2.05
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB1	15	2.09	0.28	2.05
(1,1562)	1:33:B:LYS:HE3	1:8:B:LEU:HG	15	2.09	0.28	2.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	15	2.05	0.18	2.01
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	15	2.05	0.18	2.01
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD13	15	2.05	0.18	2.01
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	15	2.05	0.18	2.0
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	15	2.05	0.18	2.0
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD13	15	2.05	0.18	2.0
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD13	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD12	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD13	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD12	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD11	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD11	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD11	15	2.01	0.33	1.98
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD13	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD13	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD12	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD13	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD12	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD11	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD11	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD11	15	2.01	0.33	1.98
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD13	15	2.01	0.33	1.98
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	15	1.99	0.14	1.99
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD12	15	1.99	0.14	1.99
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD11	15	1.99	0.14	1.99
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	15	1.99	0.14	1.99
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD12	15	1.99	0.14	1.99
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD11	15	1.99	0.14	1.99
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	15	1.99	0.1	2.0
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	15	1.99	0.1	2.0
(1,2772)	1:57:B:ALA:HB3	1:11:B:ARG:H	15	1.99	0.1	2.0
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	15	1.98	0.1	2.0
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	15	1.98	0.1	2.0
(1,2771)	1:57:A:ALA:HB3	1:11:A:ARG:H	15	1.98	0.1	2.0
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	15	1.95	0.07	1.96
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	15	1.95	0.07	1.96
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	15	1.94	0.17	1.95
(1,2552)	1:21:B:LEU:HD12	1:23:B:LEU:HD12	15	1.94	0.17	1.95
(1,2552)	1:21:B:LEU:HD13	1:9:B:LEU:HB2	15	1.94	0.17	1.95
(1,2552)	1:21:B:LEU:HD12	1:23:B:LEU:HD11	15	1.94	0.17	1.95
(1,2552)	1:21:B:LEU:HD11	1:9:B:LEU:HB2	15	1.94	0.17	1.95
(1,2552)	1:21:B:LEU:HD13	1:23:B:LEU:HD11	15	1.94	0.17	1.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	15	1.94	0.17	1.95
(1,2551)	1:21:A:LEU:HD12	1:23:A:LEU:HD12	15	1.94	0.17	1.95
(1,2551)	1:21:A:LEU:HD13	1:9:A:LEU:HB2	15	1.94	0.17	1.95
(1,2551)	1:21:A:LEU:HD12	1:23:A:LEU:HD11	15	1.94	0.17	1.95
(1,2551)	1:21:A:LEU:HD11	1:9:A:LEU:HB2	15	1.94	0.17	1.95
(1,2551)	1:21:A:LEU:HD13	1:23:A:LEU:HD11	15	1.94	0.17	1.95
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	15	1.94	0.2	1.89
(1,1525)	1:53:A:LYS:HE3	1:37:B:GLU:HB2	15	1.94	0.2	1.89
(1,1525)	1:53:A:LYS:HE3	1:51:B:ARG:HB2	15	1.94	0.2	1.89
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	15	1.94	0.21	1.9
(1,1526)	1:53:B:LYS:HE3	1:37:A:GLU:HB2	15	1.94	0.21	1.9
(1,1526)	1:53:B:LYS:HE3	1:51:A:ARG:HB2	15	1.94	0.21	1.9
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	15	1.91	0.09	1.92
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	15	1.9	0.09	1.92
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD21	15	1.9	0.14	1.88
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD23	15	1.9	0.14	1.88
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	15	1.9	0.14	1.88
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD21	15	1.9	0.14	1.88
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD22	15	1.9	0.14	1.88
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD22	15	1.9	0.14	1.88
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD21	15	1.9	0.14	1.88
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD22	15	1.9	0.14	1.88
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	15	1.9	0.14	1.88
(1,1801)	1:45:A:ILE:HB	1:55:A:LEU:HD21	15	1.9	0.14	1.88
(1,1801)	1:45:A:ILE:HB	1:55:A:LEU:HD22	15	1.9	0.14	1.88
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	15	1.87	0.11	1.87
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	15	1.87	0.11	1.87
(1,2725)	1:52:A:ALA:HB3	1:12:B:ILE:HA	15	1.87	0.11	1.87
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	15	1.86	0.11	1.87
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	15	1.86	0.11	1.87
(1,2726)	1:52:B:ALA:HB3	1:12:A:ILE:HA	15	1.86	0.11	1.87
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	15	1.86	0.57	1.62
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD13	15	1.86	0.57	1.62
(1,414)	1:35:B:LEU:H	1:9:B:LEU:HD22	15	1.86	0.57	1.62
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD12	15	1.86	0.57	1.62
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	15	1.86	0.57	1.61
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD13	15	1.86	0.57	1.61
(1,413)	1:35:A:LEU:H	1:54:A:LEU:HD12	15	1.86	0.57	1.61
(1,413)	1:35:A:LEU:H	1:9:A:LEU:HD22	15	1.86	0.57	1.61
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD12	15	1.86	0.57	1.61
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	15	1.86	0.32	1.84
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD13	15	1.86	0.32	1.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD12	15	1.86	0.32	1.84
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	15	1.86	0.31	1.87
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD13	15	1.86	0.31	1.87
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD12	15	1.86	0.31	1.87
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD21	15	1.84	0.14	1.85
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	15	1.84	0.14	1.85
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	15	1.84	0.14	1.85
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD21	15	1.84	0.14	1.85
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	15	1.84	0.14	1.85
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	15	1.84	0.14	1.85
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	15	1.83	0.28	1.74
(2,3934)	1:55:B:LEU:HD13	1:39:B:HIS:HB3	15	1.83	0.28	1.74
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	15	1.83	0.28	1.74
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	15	1.83	0.29	1.73
(2,3933)	1:55:A:LEU:HD13	1:39:A:HIS:HB3	15	1.83	0.29	1.73
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	15	1.83	0.29	1.73
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	15	1.83	0.15	1.8
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD21	15	1.83	0.15	1.8
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD23	15	1.83	0.15	1.8
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	15	1.83	0.15	1.8
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD21	15	1.83	0.15	1.8
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD23	15	1.83	0.15	1.8
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	15	1.82	0.16	1.8
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	15	1.81	0.16	1.79
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	15	1.77	0.29	1.85
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	15	1.77	0.29	1.85
(1,2855)	1:45:A:ILE:HD11	1:47:A:ASP:HB3	15	1.76	0.11	1.76
(1,2855)	1:45:A:ILE:HD11	1:42:A:GLU:HB2	15	1.76	0.11	1.76
(1,2855)	1:45:A:ILE:HD12	1:42:A:GLU:HB2	15	1.76	0.11	1.76
(1,2855)	1:45:A:ILE:HD13	1:47:A:ASP:HB3	15	1.76	0.11	1.76
(1,2855)	1:45:A:ILE:HD12	1:47:A:ASP:HB3	15	1.76	0.11	1.76
(1,2855)	1:45:A:ILE:HD13	1:42:A:GLU:HB2	15	1.76	0.11	1.76
(1,2856)	1:45:B:ILE:HD11	1:47:B:ASP:HB3	15	1.76	0.11	1.75
(1,2856)	1:45:B:ILE:HD11	1:42:B:GLU:HB2	15	1.76	0.11	1.75
(1,2856)	1:45:B:ILE:HD12	1:42:B:GLU:HB2	15	1.76	0.11	1.75
(1,2856)	1:45:B:ILE:HD13	1:47:B:ASP:HB3	15	1.76	0.11	1.75
(1,2856)	1:45:B:ILE:HD12	1:47:B:ASP:HB3	15	1.76	0.11	1.75
(1,2856)	1:45:B:ILE:HD13	1:42:B:GLU:HB2	15	1.76	0.11	1.75
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	15	1.76	0.08	1.77
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	15	1.76	0.08	1.77
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	15	1.76	0.08	1.77
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	15	1.76	0.08	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	15	1.76	0.08	1.76
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	15	1.76	0.08	1.76
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	15	1.75	0.14	1.74
(2,4915)	1:60:A:LEU:HD11	1:11:B:ARG:H	15	1.75	0.14	1.74
(2,4915)	1:60:A:LEU:HD13	1:11:B:ARG:H	15	1.75	0.14	1.74
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	15	1.75	0.15	1.74
(2,4916)	1:60:B:LEU:HD11	1:11:A:ARG:H	15	1.75	0.15	1.74
(2,4916)	1:60:B:LEU:HD13	1:11:A:ARG:H	15	1.75	0.15	1.74
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	15	1.74	0.13	1.76
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	15	1.74	0.13	1.78
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	15	1.72	0.36	1.7
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	15	1.72	0.36	1.7
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD21	15	1.72	0.36	1.7
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	15	1.72	0.36	1.69
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	15	1.72	0.36	1.69
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD21	15	1.72	0.36	1.69
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	15	1.67	0.06	1.68
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	15	1.67	0.06	1.68
(1,2510)	1:61:B:LEU:HD23	1:63:B:ASP:HA	15	1.67	0.14	1.63
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	15	1.67	0.14	1.63
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	15	1.67	0.14	1.63
(1,2509)	1:61:A:LEU:HD23	1:63:A:ASP:HA	15	1.66	0.14	1.62
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	15	1.66	0.14	1.62
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	15	1.66	0.14	1.62
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	15	1.66	0.5	1.64
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	15	1.66	0.5	1.64
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD21	15	1.65	0.14	1.7
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD23	15	1.65	0.14	1.7
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	15	1.65	0.14	1.7
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD21	15	1.65	0.14	1.69
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD23	15	1.65	0.14	1.69
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	15	1.65	0.14	1.69
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	15	1.65	0.1	1.68
(1,2804)	1:45:B:ILE:HG21	1:48:B:PRO:HB2	15	1.65	0.1	1.68
(1,2804)	1:45:B:ILE:HG22	1:49:B:GLN:HB2	15	1.65	0.1	1.68
(1,2804)	1:45:B:ILE:HG21	1:49:B:GLN:HB2	15	1.65	0.1	1.68
(1,2804)	1:45:B:ILE:HG23	1:49:B:GLN:HB2	15	1.65	0.1	1.68
(1,2804)	1:45:B:ILE:HG23	1:48:B:PRO:HB2	15	1.65	0.1	1.68
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	15	1.64	0.1	1.67
(1,2803)	1:45:A:ILE:HG21	1:48:A:PRO:HB2	15	1.64	0.1	1.67
(1,2803)	1:45:A:ILE:HG22	1:49:A:GLN:HB2	15	1.64	0.1	1.67
(1,2803)	1:45:A:ILE:HG21	1:49:A:GLN:HB2	15	1.64	0.1	1.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2803)	1:45:A:ILE:HG23	1:49:A:GLN:HB2	15	1.64	0.1	1.67
(1,2803)	1:45:A:ILE:HG23	1:48:A:PRO:HB2	15	1.64	0.1	1.67
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE1	15	1.63	0.31	1.55
(1,2481)	1:8:A:LEU:HD22	1:32:A:PHE:HE1	15	1.63	0.31	1.55
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE2	15	1.63	0.31	1.55
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE2	15	1.63	0.31	1.55
(1,2481)	1:8:A:LEU:HD22	1:32:A:PHE:HE2	15	1.63	0.31	1.55
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE1	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE1	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD22	1:32:B:PHE:HE1	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE2	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE2	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD22	1:32:B:PHE:HE2	15	1.63	0.31	1.55
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE1	15	1.63	0.31	1.55
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	15	1.62	0.29	1.76
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	15	1.62	0.29	1.76
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	15	1.62	0.29	1.76
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	15	1.62	0.29	1.76
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	15	1.61	0.3	1.6
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD21	15	1.61	0.3	1.6
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD23	15	1.61	0.3	1.6
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	15	1.61	0.3	1.6
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD21	15	1.61	0.3	1.6
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD23	15	1.61	0.3	1.6
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	15	1.6	0.02	1.61
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	15	1.6	0.03	1.61
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	15	1.58	0.16	1.63
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	15	1.58	0.16	1.63
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	15	1.55	0.35	1.52
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	15	1.55	0.35	1.52
(1,3156)	1:55:B:LEU:HD11	1:53:A:LYS:HD2	15	1.55	0.35	1.52
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	15	1.55	0.35	1.5
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	15	1.55	0.35	1.5
(1,3155)	1:55:A:LEU:HD11	1:53:B:LYS:HD2	15	1.55	0.35	1.5
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD11	15	1.54	0.11	1.56
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD13	15	1.54	0.11	1.56
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD12	15	1.54	0.11	1.56
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD13	15	1.54	0.11	1.56
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD12	15	1.54	0.11	1.56
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD11	15	1.54	0.11	1.56
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD13	15	1.54	0.11	1.56
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD12	15	1.54	0.11	1.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD13	15	1.54	0.11	1.56
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD12	15	1.54	0.11	1.56
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	15	1.54	0.11	1.56
(2,4114)	1:45:B:ILE:HG21	1:40:B:LEU:HB2	15	1.54	0.11	1.56
(2,4114)	1:45:B:ILE:HG23	1:40:B:LEU:HB2	15	1.54	0.11	1.56
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	15	1.54	0.11	1.55
(2,4113)	1:45:A:ILE:HG21	1:40:A:LEU:HB2	15	1.54	0.11	1.55
(2,4113)	1:45:A:ILE:HG23	1:40:A:LEU:HB2	15	1.54	0.11	1.55
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	15	1.51	0.04	1.5
(1,2826)	1:12:B:ILE:HD11	1:13:B:GLY:HA2	15	1.51	0.04	1.5
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	15	1.51	0.04	1.5
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	15	1.51	0.04	1.5
(1,2825)	1:12:A:ILE:HD11	1:13:A:GLY:HA2	15	1.51	0.04	1.5
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	15	1.51	0.04	1.5
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	15	1.5	0.24	1.5
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	15	1.5	0.24	1.5
(2,4923)	1:60:A:LEU:HD13	1:2:B:PRO:HG2	15	1.5	0.24	1.5
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	15	1.5	0.24	1.5
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	15	1.5	0.24	1.5
(2,4924)	1:60:B:LEU:HD13	1:2:A:PRO:HG2	15	1.5	0.24	1.5
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD22	15	1.5	0.09	1.51
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD23	15	1.5	0.09	1.51
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	15	1.5	0.09	1.51
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD22	15	1.5	0.09	1.51
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD23	15	1.5	0.09	1.51
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	15	1.5	0.09	1.51
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	15	1.47	0.11	1.46
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	15	1.47	0.11	1.46
(1,2665)	1:9:A:LEU:HD13	1:21:A:LEU:HA	15	1.47	0.11	1.46
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	15	1.47	0.11	1.46
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	15	1.47	0.11	1.46
(1,2666)	1:9:B:LEU:HD13	1:21:B:LEU:HA	15	1.47	0.11	1.46
(1,2567)	1:40:A:LEU:HD13	1:43:A:LEU:HA	15	1.47	0.56	1.39
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	15	1.47	0.56	1.39
(1,2567)	1:40:A:LEU:HD11	1:21:A:LEU:HA	15	1.47	0.56	1.39
(1,2567)	1:40:A:LEU:HD12	1:43:A:LEU:HA	15	1.47	0.56	1.39
(1,2567)	1:40:A:LEU:HD12	1:21:A:LEU:HA	15	1.47	0.56	1.39
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	15	1.47	0.19	1.5
(1,2568)	1:40:B:LEU:HD13	1:43:B:LEU:HA	15	1.47	0.56	1.39
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	15	1.47	0.56	1.39
(1,2568)	1:40:B:LEU:HD11	1:21:B:LEU:HA	15	1.47	0.56	1.39
(1,2568)	1:40:B:LEU:HD12	1:43:B:LEU:HA	15	1.47	0.56	1.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2568)	1:40:B:LEU:HD12	1:21:B:LEU:HA	15	1.47	0.56	1.39
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	15	1.46	0.18	1.5
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	15	1.44	0.06	1.42
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	15	1.44	0.06	1.41
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	15	1.44	0.45	1.32
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	15	1.43	0.09	1.42
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	15	1.43	0.09	1.42
(1,2270)	1:54:B:LEU:HD12	1:45:B:ILE:HA	15	1.43	0.09	1.42
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	15	1.43	0.09	1.42
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	15	1.43	0.09	1.42
(1,2269)	1:54:A:LEU:HD12	1:45:A:ILE:HA	15	1.43	0.09	1.42
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	15	1.43	0.46	1.31
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	15	1.42	0.44	1.56
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	15	1.42	0.44	1.56
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	15	1.42	0.44	1.56
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD22	15	1.42	0.44	1.56
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD23	15	1.42	0.44	1.56
(1,2511)	1:61:A:LEU:HD22	1:32:A:PHE:HD1	15	1.41	0.14	1.37
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD1	15	1.41	0.14	1.37
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD2	15	1.41	0.14	1.37
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD2	15	1.41	0.14	1.37
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD1	15	1.41	0.14	1.37
(1,2511)	1:61:A:LEU:HD22	1:32:A:PHE:HD2	15	1.41	0.14	1.37
(1,2512)	1:61:B:LEU:HD22	1:32:B:PHE:HD1	15	1.41	0.14	1.36
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD1	15	1.41	0.14	1.36
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD2	15	1.41	0.14	1.36
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD2	15	1.41	0.14	1.36
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD1	15	1.41	0.14	1.36
(1,2512)	1:61:B:LEU:HD22	1:32:B:PHE:HD2	15	1.41	0.14	1.36
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	15	1.41	0.44	1.57
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	15	1.41	0.44	1.57
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	15	1.41	0.44	1.57
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD22	15	1.41	0.44	1.57
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD23	15	1.41	0.44	1.57
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	15	1.4	0.11	1.38
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	15	1.4	0.11	1.38
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	15	1.4	0.11	1.38
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	15	1.4	0.11	1.38
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	15	1.39	0.07	1.39
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	15	1.39	0.18	1.36
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	15	1.39	0.18	1.36
(1,2273)	1:54:A:LEU:HD13	1:47:A:ASP:HA	15	1.39	0.18	1.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2273)	1:54:A:LEU:HD12	1:46:A:MET:HA	15	1.39	0.18	1.36
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	15	1.39	0.07	1.39
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	15	1.39	0.18	1.36
(1,2274)	1:54:B:LEU:HD13	1:47:B:ASP:HA	15	1.39	0.18	1.36
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	15	1.39	0.18	1.36
(1,2274)	1:54:B:LEU:HD12	1:46:B:MET:HA	15	1.39	0.18	1.36
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD23	15	1.39	0.35	1.27
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD21	15	1.39	0.35	1.27
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD22	15	1.39	0.35	1.27
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD21	15	1.39	0.35	1.27
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD23	15	1.39	0.35	1.27
(1,2718)	1:52:B:ALA:HB2	1:55:B:LEU:HD21	15	1.39	0.35	1.27
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD23	15	1.38	0.35	1.27
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD21	15	1.38	0.35	1.27
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD22	15	1.38	0.35	1.27
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD21	15	1.38	0.35	1.27
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD23	15	1.38	0.35	1.27
(1,2717)	1:52:A:ALA:HB2	1:55:A:LEU:HD21	15	1.38	0.35	1.27
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	15	1.38	0.28	1.41
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	15	1.38	0.28	1.41
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG22	15	1.38	0.28	1.41
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	15	1.38	0.28	1.41
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	15	1.38	0.28	1.41
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG22	15	1.38	0.28	1.41
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	15	1.38	0.19	1.33
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD23	15	1.38	0.19	1.33
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD22	15	1.38	0.19	1.33
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	15	1.37	0.19	1.33
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD23	15	1.37	0.19	1.33
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD22	15	1.37	0.19	1.33
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	15	1.37	0.09	1.38
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD21	15	1.37	0.09	1.38
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD23	15	1.37	0.09	1.38
(1,2537)	1:54:A:LEU:HD21	1:18:A:THR:HA	15	1.37	0.09	1.38
(1,2537)	1:54:A:LEU:HD23	1:18:A:THR:HA	15	1.37	0.09	1.38
(1,2537)	1:54:A:LEU:HD22	1:18:A:THR:HA	15	1.37	0.09	1.38
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	15	1.37	0.1	1.38
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD21	15	1.37	0.1	1.38
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD23	15	1.37	0.1	1.38
(1,2538)	1:54:B:LEU:HD21	1:18:B:THR:HA	15	1.37	0.1	1.38
(1,2538)	1:54:B:LEU:HD23	1:18:B:THR:HA	15	1.37	0.1	1.38
(1,2538)	1:54:B:LEU:HD22	1:18:B:THR:HA	15	1.37	0.1	1.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	15	1.35	0.26	1.26
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	15	1.35	0.26	1.26
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD21	15	1.35	0.26	1.26
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	15	1.35	0.26	1.26
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	15	1.35	0.26	1.26
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD21	15	1.35	0.26	1.26
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD23	15	1.35	0.23	1.45
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	15	1.35	0.23	1.45
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	15	1.35	0.23	1.45
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD23	15	1.35	0.23	1.45
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	15	1.35	0.23	1.45
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	15	1.35	0.23	1.45
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD12	15	1.34	0.57	1.15
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD13	15	1.34	0.57	1.15
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD11	15	1.34	0.57	1.15
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD13	15	1.34	0.57	1.15
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD12	15	1.34	0.57	1.15
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD11	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD12	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD13	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD11	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD13	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD12	15	1.34	0.57	1.15
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD11	15	1.34	0.57	1.15
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	15	1.33	0.08	1.32
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG21	15	1.33	0.08	1.32
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	15	1.33	0.08	1.32
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	15	1.33	0.07	1.32
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG21	15	1.33	0.07	1.32
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	15	1.33	0.07	1.32
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	15	1.32	0.23	1.33
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD12	15	1.32	0.23	1.33
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	15	1.32	0.23	1.33
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	15	1.32	0.23	1.33
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD12	15	1.32	0.23	1.33
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	15	1.32	0.23	1.33
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	15	1.3	0.15	1.3
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	15	1.3	0.16	1.3
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	15	1.3	0.48	1.09
(1,3049)	1:6:A:HIS:HD2	1:4:A:THR:HG21	15	1.3	0.48	1.09
(1,3049)	1:6:A:HIS:HD2	1:4:A:THR:HG22	15	1.3	0.48	1.09
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	15	1.3	0.48	1.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3050)	1:6:B:HIS:HD2	1:4:B:THR:HG21	15	1.3	0.48	1.09
(1,3050)	1:6:B:HIS:HD2	1:4:B:THR:HG22	15	1.3	0.48	1.09
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	15	1.29	0.01	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	15	1.29	0.01	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD21	15	1.29	0.01	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	15	1.29	0.01	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	15	1.29	0.01	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD21	15	1.29	0.01	1.29
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD12	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD11	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD12	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD13	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD13	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD11	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD13	15	1.29	0.18	1.36
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD12	15	1.29	0.18	1.36
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD12	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD11	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD12	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD13	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD13	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD11	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD13	15	1.29	0.18	1.35
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD12	15	1.29	0.18	1.35
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	15	1.28	0.26	1.34
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD23	15	1.28	0.26	1.34
(1,514)	1:47:B:ASP:H	1:54:B:LEU:HD22	15	1.28	0.26	1.34
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD22	15	1.28	0.26	1.34
(1,514)	1:47:B:ASP:H	1:54:B:LEU:HD21	15	1.28	0.26	1.34
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	15	1.27	0.26	1.34
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD23	15	1.27	0.26	1.34
(1,513)	1:47:A:ASP:H	1:54:A:LEU:HD22	15	1.27	0.26	1.34
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD22	15	1.27	0.26	1.34
(1,513)	1:47:A:ASP:H	1:54:A:LEU:HD21	15	1.27	0.26	1.34
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD23	15	1.27	0.19	1.3
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	15	1.27	0.19	1.3
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD21	15	1.27	0.19	1.3
(1,1136)	1:64:B:TYR:HA	1:61:B:LEU:HD21	15	1.27	0.19	1.3
(1,1136)	1:64:B:TYR:HA	1:61:B:LEU:HD22	15	1.27	0.19	1.3
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	15	1.27	0.16	1.27
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD23	15	1.27	0.18	1.29
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	15	1.27	0.18	1.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD21	15	1.27	0.18	1.29
(1,1135)	1:64:A:TYR:HA	1:61:A:LEU:HD21	15	1.27	0.18	1.29
(1,1135)	1:64:A:TYR:HA	1:61:A:LEU:HD22	15	1.27	0.18	1.29
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	15	1.26	0.16	1.28
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	15	1.26	0.23	1.33
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	15	1.26	0.23	1.34
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	15	1.25	0.14	1.26
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	15	1.25	0.14	1.26
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	15	1.25	0.1	1.24
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD12	15	1.25	0.1	1.24
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	15	1.25	0.1	1.24
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	15	1.25	0.22	1.18
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD22	15	1.25	0.22	1.18
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD23	15	1.25	0.22	1.18
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	15	1.25	0.22	1.18
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD22	15	1.25	0.22	1.18
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD23	15	1.25	0.22	1.18
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	15	1.25	0.1	1.24
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	15	1.25	0.1	1.24
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	15	1.25	0.11	1.23
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD12	15	1.25	0.11	1.23
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	15	1.25	0.11	1.23
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD22	15	1.25	0.12	1.27
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	15	1.25	0.12	1.27
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD23	15	1.25	0.12	1.27
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	15	1.25	0.21	1.2
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	15	1.25	0.21	1.2
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD21	15	1.25	0.21	1.2
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD22	15	1.25	0.12	1.27
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	15	1.25	0.12	1.27
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD23	15	1.25	0.12	1.27
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	15	1.24	0.21	1.19
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	15	1.24	0.21	1.19
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD21	15	1.24	0.21	1.19
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	15	1.24	0.19	1.28
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	15	1.24	0.19	1.27
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	15	1.23	0.01	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD21	15	1.23	0.01	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	15	1.23	0.01	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	15	1.23	0.01	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD21	15	1.23	0.01	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	15	1.23	0.01	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	15	1.23	0.21	1.18
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	15	1.23	0.2	1.17
(1,2559)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	15	1.22	0.16	1.26
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	15	1.22	0.16	1.26
(1,2559)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	15	1.22	0.16	1.26
(1,2560)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	15	1.22	0.16	1.26
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	15	1.22	0.16	1.26
(1,2560)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	15	1.22	0.16	1.26
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	15	1.22	0.17	1.18
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	15	1.22	0.17	1.18
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	15	1.22	0.17	1.18
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	15	1.22	0.17	1.18
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	15	1.22	0.17	1.18
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	15	1.22	0.17	1.18
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	15	1.21	0.19	1.16
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	15	1.21	0.44	1.05
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	15	1.21	0.19	1.16
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	15	1.21	0.44	1.06
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	15	1.21	0.09	1.2
(1,2070)	1:33:B:LYS:HD2	1:62:B:LEU:HA	15	1.21	0.09	1.2
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	15	1.21	0.09	1.2
(1,2069)	1:33:A:LYS:HD2	1:62:A:LEU:HA	15	1.21	0.09	1.2
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	15	1.2	0.2	1.17
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	15	1.2	0.2	1.17
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD11	15	1.2	0.2	1.17
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	15	1.2	0.2	1.18
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	15	1.2	0.2	1.18
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD11	15	1.2	0.2	1.18
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD22	15	1.19	0.13	1.21
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD21	15	1.19	0.13	1.21
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	15	1.19	0.13	1.21
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD22	15	1.19	0.13	1.21
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD21	15	1.19	0.13	1.21
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	15	1.19	0.13	1.21
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	15	1.18	0.13	1.2
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	15	1.18	0.13	1.2
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	15	1.18	0.13	1.2
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	15	1.18	0.13	1.2
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	15	1.18	0.13	1.2
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	15	1.18	0.13	1.2
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	15	1.18	0.12	1.16
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	15	1.18	0.13	1.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	15	1.17	0.14	1.18
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	15	1.17	0.14	1.18
(2,3801)	1:21:A:LEU:HD11	1:17:A:HIS:HB3	15	1.17	0.14	1.18
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	15	1.17	0.14	1.17
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	15	1.17	0.14	1.17
(2,3802)	1:21:B:LEU:HD11	1:17:B:HIS:HB3	15	1.17	0.14	1.17
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	15	1.17	0.16	1.13
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	15	1.17	0.16	1.13
(1,2257)	1:54:A:LEU:HD12	1:51:A:ARG:HB2	15	1.17	0.16	1.13
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	15	1.17	0.16	1.13
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	15	1.17	0.16	1.13
(1,2258)	1:54:B:LEU:HD12	1:51:B:ARG:HB2	15	1.17	0.16	1.13
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD22	15	1.17	0.09	1.15
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	15	1.17	0.09	1.15
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD21	15	1.17	0.09	1.15
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD22	15	1.17	0.1	1.15
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	15	1.17	0.1	1.15
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD21	15	1.17	0.1	1.15
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	15	1.15	0.37	1.16
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HA	15	1.15	0.37	1.16
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	15	1.15	0.09	1.19
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD12	15	1.15	0.09	1.19
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	15	1.15	0.09	1.19
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	15	1.15	0.17	1.18
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	15	1.15	0.17	1.18
(1,2673)	1:4:A:THR:HG23	1:6:A:HIS:HA	15	1.15	0.17	1.18
(1,2673)	1:4:A:THR:HG22	1:29:A:LEU:HA	15	1.15	0.17	1.18
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	15	1.15	0.09	1.18
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD12	15	1.15	0.09	1.18
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	15	1.15	0.09	1.18
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	15	1.15	0.37	1.15
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HA	15	1.15	0.37	1.15
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	15	1.15	0.36	1.4
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	15	1.15	0.36	1.4
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD12	15	1.15	0.36	1.4
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	15	1.15	0.35	1.41
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	15	1.15	0.35	1.41
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD12	15	1.15	0.35	1.41
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	15	1.15	0.17	1.17
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	15	1.15	0.17	1.17
(1,2674)	1:4:B:THR:HG23	1:6:B:HIS:HA	15	1.15	0.17	1.17
(1,2674)	1:4:B:THR:HG22	1:29:B:LEU:HA	15	1.15	0.17	1.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD21	15	1.15	0.12	1.13
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	15	1.15	0.12	1.13
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	15	1.15	0.12	1.13
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD21	15	1.15	0.12	1.13
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	15	1.15	0.12	1.13
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	15	1.15	0.12	1.13
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	15	1.14	0.11	1.12
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB1	15	1.14	0.11	1.12
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB2	15	1.14	0.11	1.12
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	15	1.14	0.11	1.12
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB1	15	1.14	0.11	1.12
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB2	15	1.14	0.11	1.12
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	15	1.13	0.14	1.14
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	15	1.13	0.14	1.14
(2,4724)	1:52:B:ALA:HB2	1:49:A:GLN:HG3	15	1.13	0.14	1.14
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	15	1.13	0.19	1.16
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	15	1.13	0.18	1.15
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	15	1.12	0.14	1.13
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	15	1.12	0.14	1.13
(2,4723)	1:52:A:ALA:HB2	1:49:B:GLN:HG3	15	1.12	0.14	1.13
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	15	1.12	0.21	1.08
(1,2742)	1:58:B:ALA:HB3	1:62:B:LEU:HB2	15	1.12	0.13	1.14
(1,2742)	1:58:B:ALA:HB2	1:62:B:LEU:HB2	15	1.12	0.13	1.14
(1,2742)	1:58:B:ALA:HB1	1:62:B:LEU:HB2	15	1.12	0.13	1.14
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB3	15	1.12	0.13	1.14
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB2	15	1.12	0.13	1.14
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB1	15	1.12	0.13	1.14
(1,2741)	1:58:A:ALA:HB3	1:62:A:LEU:HB2	15	1.12	0.13	1.14
(1,2741)	1:58:A:ALA:HB2	1:62:A:LEU:HB2	15	1.12	0.13	1.14
(1,2741)	1:58:A:ALA:HB1	1:62:A:LEU:HB2	15	1.12	0.13	1.14
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB3	15	1.12	0.13	1.14
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB2	15	1.12	0.13	1.14
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB1	15	1.12	0.13	1.14
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	15	1.12	0.21	1.07
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	15	1.12	0.13	1.11
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	15	1.12	0.13	1.11
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG21	15	1.12	0.13	1.11
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	15	1.12	0.13	1.11
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	15	1.12	0.13	1.11
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG21	15	1.12	0.13	1.11
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	15	1.11	0.24	1.11
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	15	1.11	0.24	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD13	15	1.11	0.24	1.11
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	15	1.11	0.24	1.11
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	15	1.11	0.24	1.11
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD13	15	1.11	0.24	1.11
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	15	1.1	0.21	1.12
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	15	1.1	0.21	1.12
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD12	15	1.1	0.21	1.12
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	15	1.1	0.2	1.06
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	15	1.1	0.21	1.12
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	15	1.1	0.21	1.12
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD12	15	1.1	0.21	1.12
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	15	1.1	0.2	1.06
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	15	1.1	0.07	1.09
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	15	1.1	0.07	1.09
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD13	15	1.1	0.07	1.09
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	15	1.09	0.07	1.09
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	15	1.09	0.07	1.09
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD13	15	1.09	0.07	1.09
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	15	1.09	0.17	1.08
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	15	1.09	0.17	1.08
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	15	1.09	0.17	1.08
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	15	1.09	0.17	1.1
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	15	1.09	0.17	1.1
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	15	1.09	0.17	1.1
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	15	1.08	0.12	1.08
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	15	1.08	0.12	1.08
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	15	1.08	0.04	1.08
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	15	1.08	0.03	1.08
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	15	1.07	0.05	1.07
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HG3	15	1.07	0.05	1.07
(1,2827)	1:12:A:ILE:HD12	1:56:B:THR:HB	15	1.07	0.08	1.07
(1,2827)	1:12:A:ILE:HD12	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2827)	1:12:A:ILE:HD13	1:56:B:THR:HB	15	1.07	0.08	1.07
(1,2827)	1:12:A:ILE:HD11	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2827)	1:12:A:ILE:HD11	1:56:B:THR:HB	15	1.07	0.08	1.07
(1,2827)	1:12:A:ILE:HD13	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD12	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD12	1:56:B:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD13	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD11	1:56:B:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD11	1:56:A:THR:HB	15	1.07	0.08	1.07
(1,2828)	1:12:B:ILE:HD13	1:56:B:THR:HB	15	1.07	0.08	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD22	15	1.07	0.31	0.98
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	15	1.07	0.31	0.98
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	15	1.07	0.31	0.98
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD22	15	1.07	0.31	0.98
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	15	1.07	0.31	0.98
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	15	1.07	0.31	0.98
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	15	1.07	0.04	1.07
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HG3	15	1.07	0.04	1.07
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	15	1.06	0.09	1.07
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	15	1.06	0.09	1.07
(2,4848)	1:52:B:ALA:HB2	1:49:A:GLN:H	15	1.06	0.09	1.07
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	15	1.06	0.22	1.15
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	15	1.06	0.22	1.15
(2,3487)	1:61:A:LEU:HD11	1:32:A:PHE:HZ	15	1.06	0.22	1.15
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	15	1.05	0.22	1.14
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	15	1.05	0.22	1.14
(2,3488)	1:61:B:LEU:HD11	1:32:B:PHE:HZ	15	1.05	0.22	1.14
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	15	1.05	0.17	1.02
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	15	1.05	0.17	1.02
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	15	1.05	0.17	1.02
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	15	1.05	0.09	1.07
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	15	1.05	0.09	1.07
(2,4847)	1:52:A:ALA:HB2	1:49:B:GLN:H	15	1.05	0.09	1.07
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	15	1.05	0.17	1.03
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	15	1.05	0.17	1.03
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	15	1.05	0.17	1.03
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD22	15	1.05	0.27	0.98
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	15	1.05	0.27	0.98
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	15	1.05	0.27	0.98
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD22	15	1.05	0.27	0.98
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	15	1.05	0.27	0.98
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	15	1.05	0.27	0.98
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	15	1.03	0.1	1.02
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	15	1.03	0.03	1.03
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	15	1.03	0.03	1.03
(1,2730)	1:52:B:ALA:HB1	1:51:B:ARG:H	15	1.03	0.03	1.03
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	15	1.03	0.17	0.99
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD22	15	1.03	0.17	0.99
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD23	15	1.03	0.17	0.99
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	15	1.03	0.1	1.01
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	15	1.03	0.17	0.99
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD22	15	1.03	0.17	0.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD23	15	1.03	0.17	0.99
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	15	1.03	0.03	1.03
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	15	1.03	0.03	1.03
(1,2729)	1:52:A:ALA:HB1	1:51:A:ARG:H	15	1.03	0.03	1.03
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	15	1.02	0.44	0.85
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD11	15	1.02	0.44	0.85
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	15	1.02	0.44	0.85
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	15	1.02	0.44	0.85
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD11	15	1.02	0.44	0.85
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	15	1.02	0.44	0.85
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD22	15	1.02	0.08	1.01
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	15	1.02	0.08	1.01
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD21	15	1.02	0.08	1.01
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD22	15	1.02	0.08	1.01
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	15	1.02	0.08	1.01
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD21	15	1.02	0.08	1.01
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	15	1.01	0.15	1.0
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	15	1.01	0.15	1.0
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	15	1.01	0.15	0.99
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	15	1.01	0.15	0.99
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	15	1.0	0.09	1.01
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB3	15	1.0	0.09	1.01
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB1	15	1.0	0.09	1.01
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	15	1.0	0.09	0.99
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB3	15	1.0	0.09	0.99
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB1	15	1.0	0.09	0.99
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	15	1.0	0.02	1.0
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	15	1.0	0.02	1.0
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	15	1.0	0.03	1.0
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	15	1.0	0.03	1.0
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	15	0.99	0.09	0.97
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD13	15	0.99	0.09	0.97
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD12	15	0.99	0.09	0.97
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	15	0.99	0.09	0.97
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD13	15	0.99	0.09	0.97
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD12	15	0.99	0.09	0.97
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	15	0.99	0.04	0.99
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	15	0.99	0.04	0.99
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	15	0.99	0.04	0.99
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	15	0.99	0.04	0.99
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	15	0.99	0.04	0.99
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	15	0.99	0.04	0.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	15	0.99	0.05	0.98
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB2	15	0.99	0.05	0.98
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB3	15	0.99	0.05	0.98
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG21	15	0.98	0.07	0.95
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG22	15	0.98	0.07	0.95
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	15	0.98	0.07	0.95
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG23	15	0.98	0.07	0.95
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	15	0.98	0.05	0.98
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB2	15	0.98	0.05	0.98
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB3	15	0.98	0.05	0.98
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG21	15	0.98	0.07	0.96
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG22	15	0.98	0.07	0.96
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	15	0.98	0.07	0.96
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG23	15	0.98	0.07	0.96
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB1	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB2	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB1	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB3	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB2	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB3	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB1	15	0.98	0.07	0.99
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB3	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB1	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB2	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB1	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB3	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB2	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB3	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB1	15	0.98	0.07	0.99
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB3	15	0.98	0.07	0.99
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	15	0.97	0.54	0.86
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	15	0.97	0.54	0.86
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	15	0.97	0.07	0.98
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	15	0.97	0.07	0.98
(1,2670)	1:4:B:THR:HG22	1:5:B:LEU:HA	15	0.97	0.07	0.98
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	15	0.97	0.07	0.98
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	15	0.97	0.07	0.98
(1,2669)	1:4:A:THR:HG22	1:5:A:LEU:HA	15	0.97	0.07	0.98
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD13	15	0.97	0.14	0.95
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD12	15	0.97	0.14	0.95
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	15	0.97	0.14	0.95
(1,411)	1:35:A:LEU:H	1:21:A:LEU:HD13	15	0.97	0.14	0.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,411)	1:35:A:LEU:H	1:21:A:LEU:HD12	15	0.97	0.14	0.95
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	15	0.97	0.14	0.97
(1,2757)	1:57:A:ALA:HB3	1:59:B:GLU:HB2	15	0.97	0.14	0.97
(1,2757)	1:57:A:ALA:HB1	1:59:B:GLU:HB2	15	0.97	0.14	0.97
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD13	15	0.97	0.14	0.95
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD12	15	0.97	0.14	0.95
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	15	0.97	0.14	0.95
(1,412)	1:35:B:LEU:H	1:21:B:LEU:HD13	15	0.97	0.14	0.95
(1,412)	1:35:B:LEU:H	1:21:B:LEU:HD12	15	0.97	0.14	0.95
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	15	0.97	0.14	0.95
(1,2758)	1:57:B:ALA:HB3	1:59:A:GLU:HB2	15	0.97	0.14	0.95
(1,2758)	1:57:B:ALA:HB1	1:59:A:GLU:HB2	15	0.97	0.14	0.95
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	15	0.97	0.22	1.08
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD11	15	0.97	0.22	1.08
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	15	0.97	0.22	1.08
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	15	0.97	0.22	1.08
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD11	15	0.97	0.22	1.08
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	15	0.97	0.22	1.08
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD12	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD11	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD12	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD11	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD13	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD13	15	0.97	0.12	0.93
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD12	15	0.97	0.12	0.93
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	15	0.96	0.15	0.91
(1,2613)	1:20:A:THR:HG21	1:39:A:HIS:HB3	15	0.96	0.15	0.91
(1,2613)	1:20:A:THR:HG22	1:39:A:HIS:HB3	15	0.96	0.15	0.91
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD12	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD11	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD12	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD11	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD13	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD13	15	0.96	0.12	0.93
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD12	15	0.96	0.12	0.93
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	15	0.96	0.15	0.91
(1,2614)	1:20:B:THR:HG21	1:39:B:HIS:HB3	15	0.96	0.15	0.91
(1,2614)	1:20:B:THR:HG22	1:39:B:HIS:HB3	15	0.96	0.15	0.91
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	15	0.96	0.07	0.97
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	15	0.96	0.07	0.97
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	15	0.95	0.07	0.98
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD13	15	0.95	0.07	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD21	15	0.95	0.07	0.98
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD12	15	0.95	0.07	0.98
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD22	15	0.95	0.07	0.95
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	15	0.95	0.07	0.95
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD21	15	0.95	0.07	0.95
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD22	15	0.95	0.07	0.94
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	15	0.95	0.07	0.94
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	15	0.95	0.07	0.94
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	15	0.95	0.07	0.98
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD13	15	0.95	0.07	0.98
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD21	15	0.95	0.07	0.98
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD12	15	0.95	0.07	0.98
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	15	0.95	0.04	0.94
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	15	0.95	0.04	0.94
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	15	0.95	0.26	1.07
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	15	0.95	0.26	1.07
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	15	0.95	0.26	1.07
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	15	0.95	0.26	1.07
(1,2494)	1:35:B:LEU:HD11	1:32:B:PHE:HE1	15	0.95	0.26	1.07
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	15	0.95	0.26	1.07
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	15	0.95	0.26	1.07
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	15	0.95	0.26	1.07
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	15	0.95	0.26	1.07
(1,2493)	1:35:A:LEU:HD11	1:32:A:PHE:HE1	15	0.95	0.26	1.07
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	15	0.95	0.11	0.97
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	15	0.95	0.01	0.95
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	15	0.95	0.01	0.95
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	15	0.95	0.01	0.95
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	15	0.95	0.11	0.98
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	15	0.95	0.01	0.95
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	15	0.95	0.01	0.95
(2,3700)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	15	0.95	0.01	0.95
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	15	0.95	0.07	0.93
(1,2779)	1:12:A:ILE:HG22	1:11:A:ARG:HA	15	0.95	0.07	0.93
(1,2779)	1:12:A:ILE:HG21	1:11:A:ARG:HA	15	0.95	0.07	0.93
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	15	0.94	0.07	0.93
(1,2780)	1:12:B:ILE:HG22	1:11:B:ARG:HA	15	0.94	0.07	0.93
(1,2780)	1:12:B:ILE:HG21	1:11:B:ARG:HA	15	0.94	0.07	0.93
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	15	0.94	0.14	0.93
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	15	0.94	0.14	0.93
(2,3496)	1:5:B:LEU:HD12	1:18:B:THR:HB	15	0.94	0.14	0.93
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	15	0.94	0.02	0.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD11	15	0.94	0.02	0.95
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	15	0.94	0.02	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	15	0.94	0.02	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD11	15	0.94	0.02	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	15	0.94	0.02	0.95
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	15	0.94	0.14	0.93
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	15	0.94	0.14	0.93
(2,3495)	1:5:A:LEU:HD12	1:18:A:THR:HB	15	0.94	0.14	0.93
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	15	0.94	0.26	1.07
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	15	0.94	0.26	1.06
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	15	0.94	0.1	0.95
(1,2831)	1:12:A:ILE:HD12	1:8:A:LEU:H	15	0.94	0.1	0.95
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	15	0.94	0.1	0.95
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	15	0.94	0.1	0.95
(1,2832)	1:12:B:ILE:HD12	1:8:B:LEU:H	15	0.94	0.1	0.95
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	15	0.94	0.1	0.95
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	15	0.94	0.25	1.02
(2,4597)	1:54:A:LEU:HD21	1:17:A:HIS:HD2	15	0.94	0.25	1.02
(2,4597)	1:54:A:LEU:HD23	1:17:A:HIS:HD2	15	0.94	0.25	1.02
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	15	0.93	0.25	1.02
(2,4598)	1:54:B:LEU:HD21	1:17:B:HIS:HD2	15	0.93	0.25	1.02
(2,4598)	1:54:B:LEU:HD23	1:17:B:HIS:HD2	15	0.93	0.25	1.02
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	15	0.92	0.05	0.91
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	15	0.92	0.17	0.88
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	15	0.92	0.17	0.88
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	15	0.92	0.17	0.88
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	15	0.92	0.17	0.88
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	15	0.92	0.17	0.88
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	15	0.92	0.17	0.88
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	15	0.91	0.05	0.91
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	15	0.9	0.19	0.98
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	15	0.9	0.19	0.98
(2,4641)	1:38:A:THR:HG23	1:39:A:HIS:HE1	15	0.9	0.19	0.98
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	15	0.9	0.18	0.97
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	15	0.9	0.18	0.97
(2,4642)	1:38:B:THR:HG23	1:39:B:HIS:HE1	15	0.9	0.18	0.97
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	15	0.89	0.19	0.85
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	15	0.89	0.19	0.85
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	15	0.89	0.18	0.86
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	15	0.89	0.18	0.86
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE1	15	0.89	0.15	0.93
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE2	15	0.89	0.15	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE2	15	0.89	0.15	0.93
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE2	15	0.89	0.15	0.93
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE1	15	0.89	0.15	0.93
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE1	15	0.89	0.15	0.93
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD13	15	0.89	0.09	0.91
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD11	15	0.89	0.09	0.91
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD12	15	0.89	0.09	0.91
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD22	15	0.89	0.09	0.91
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD23	15	0.89	0.09	0.91
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD21	15	0.89	0.09	0.91
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD13	15	0.89	0.09	0.92
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD11	15	0.89	0.09	0.92
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD12	15	0.89	0.09	0.92
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD22	15	0.89	0.09	0.92
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD23	15	0.89	0.09	0.92
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD21	15	0.89	0.09	0.92
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE1	15	0.89	0.15	0.92
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE2	15	0.89	0.15	0.92
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE2	15	0.89	0.15	0.92
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE2	15	0.89	0.15	0.92
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE1	15	0.89	0.15	0.92
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE1	15	0.89	0.15	0.92
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	15	0.86	0.22	0.87
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	15	0.86	0.22	0.87
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG21	15	0.86	0.22	0.87
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	15	0.86	0.22	0.87
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	15	0.86	0.22	0.87
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG21	15	0.86	0.22	0.87
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD23	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD22	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD21	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD23	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD12	1:54:B:LEU:HD22	15	0.85	0.2	0.93
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD22	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD23	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD22	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD21	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD23	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD12	1:54:A:LEU:HD22	15	0.85	0.2	0.93
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD22	15	0.85	0.2	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	15	0.85	0.07	0.85
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD11	15	0.85	0.07	0.85
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	15	0.85	0.07	0.85
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	15	0.85	0.07	0.85
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD11	15	0.85	0.07	0.85
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	15	0.85	0.07	0.85
(2,3702)	1:61:B:LEU:HD22	1:60:A:LEU:HG	15	0.85	0.13	0.79
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	15	0.85	0.13	0.79
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	15	0.85	0.13	0.79
(2,3701)	1:61:A:LEU:HD22	1:60:B:LEU:HG	15	0.84	0.12	0.81
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	15	0.84	0.12	0.81
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	15	0.84	0.12	0.81
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	15	0.84	0.07	0.83
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD12	15	0.84	0.45	1.1
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	15	0.84	0.45	1.1
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD13	15	0.84	0.45	1.1
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD11	15	0.84	0.45	1.1
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	15	0.84	0.07	0.83
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	15	0.84	0.22	0.8
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	15	0.84	0.22	0.8
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD13	15	0.84	0.22	0.8
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	15	0.84	0.22	0.8
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	15	0.84	0.22	0.8
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD13	15	0.84	0.22	0.8
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD12	15	0.84	0.45	1.1
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	15	0.84	0.45	1.1
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD13	15	0.84	0.45	1.1
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD11	15	0.84	0.45	1.1
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD12	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD11	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD12	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD13	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD12	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD11	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD13	15	0.84	0.12	0.84
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD11	15	0.84	0.12	0.84
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	15	0.84	0.23	0.77
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	15	0.84	0.23	0.77
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD22	15	0.84	0.23	0.77
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	15	0.84	0.15	0.82
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	15	0.84	0.15	0.82
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD12	15	0.84	0.15	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD12	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD11	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD12	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD13	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD12	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD11	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD13	15	0.84	0.12	0.84
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD11	15	0.84	0.12	0.84
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	15	0.83	0.15	0.82
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	15	0.83	0.15	0.82
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD12	15	0.83	0.15	0.82
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	15	0.83	0.39	0.76
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	15	0.83	0.39	0.76
(1,2683)	1:66:A:THR:HG23	1:67:B:GLY:HA3	15	0.83	0.39	0.76
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	15	0.83	0.23	0.77
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	15	0.83	0.23	0.77
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD22	15	0.83	0.23	0.77
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	15	0.83	0.4	0.75
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	15	0.83	0.4	0.75
(1,2684)	1:66:B:THR:HG23	1:67:A:GLY:HA3	15	0.83	0.4	0.75
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	15	0.83	0.07	0.85
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD13	15	0.83	0.12	0.83
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD13	15	0.83	0.12	0.83
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD12	15	0.83	0.12	0.83
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD12	15	0.83	0.12	0.83
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD11	15	0.83	0.12	0.83
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD11	15	0.83	0.12	0.83
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	15	0.83	0.09	0.83
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB3	15	0.83	0.09	0.83
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	15	0.83	0.09	0.84
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB3	15	0.83	0.09	0.84
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	15	0.83	0.07	0.84
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD13	15	0.83	0.12	0.8
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD13	15	0.83	0.12	0.8
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD12	15	0.83	0.12	0.8
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD12	15	0.83	0.12	0.8
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD11	15	0.83	0.12	0.8
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD11	15	0.83	0.12	0.8
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	15	0.83	0.19	0.8
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD1	15	0.83	0.19	0.8
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD2	15	0.83	0.19	0.8
(1,2993)	1:64:A:TYR:HD2	1:65:B:ASP:H	15	0.83	0.19	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	15	0.82	0.19	0.78
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD1	15	0.82	0.19	0.78
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD2	15	0.82	0.19	0.78
(1,2994)	1:64:B:TYR:HD2	1:65:A:ASP:H	15	0.82	0.19	0.78
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	15	0.82	0.12	0.82
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG21	15	0.82	0.12	0.82
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG23	15	0.82	0.12	0.82
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	15	0.82	0.12	0.82
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG21	15	0.82	0.12	0.82
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG23	15	0.82	0.12	0.82
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	15	0.82	0.15	0.78
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	15	0.82	0.15	0.77
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	15	0.82	0.19	0.83
(1,1311)	1:65:A:ASP:HA	1:67:A:GLY:HA3	15	0.82	0.19	0.83
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	15	0.81	0.19	0.83
(1,1312)	1:65:B:ASP:HA	1:67:B:GLY:HA3	15	0.81	0.19	0.83
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	15	0.81	0.23	0.75
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	15	0.81	0.23	0.75
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD22	15	0.81	0.23	0.75
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD23	15	0.81	0.21	0.76
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	15	0.81	0.21	0.76
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	15	0.81	0.21	0.76
(1,2501)	1:61:A:LEU:HD23	1:64:B:TYR:HB2	15	0.81	0.21	0.76
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD23	15	0.81	0.21	0.76
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	15	0.81	0.21	0.76
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	15	0.81	0.21	0.76
(1,2502)	1:61:B:LEU:HD23	1:64:A:TYR:HB2	15	0.81	0.21	0.76
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	15	0.81	0.23	0.75
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	15	0.81	0.23	0.75
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD22	15	0.81	0.23	0.75
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	15	0.81	0.17	0.82
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	15	0.81	0.25	0.8
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	15	0.81	0.25	0.8
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG23	15	0.81	0.25	0.8
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	15	0.81	0.17	0.82
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	15	0.81	0.26	0.8
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	15	0.81	0.26	0.8
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG23	15	0.81	0.26	0.8
(1,2570)	1:40:B:LEU:HD13	1:43:B:LEU:H	15	0.81	0.12	0.83
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	15	0.81	0.12	0.83
(1,2570)	1:40:B:LEU:HD11	1:45:B:ILE:H	15	0.81	0.12	0.83
(1,2570)	1:40:B:LEU:HD12	1:43:B:LEU:H	15	0.81	0.12	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2570)	1:40:B:LEU:HD11	1:41:B:ASN:H	15	0.81	0.12	0.83
(1,2570)	1:40:B:LEU:HD13	1:41:B:ASN:H	15	0.81	0.12	0.83
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	15	0.81	0.11	0.85
(1,2633)	1:14:A:LEU:HD11	1:54:A:LEU:HA	15	0.81	0.11	0.85
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	15	0.81	0.11	0.85
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	15	0.81	0.12	0.85
(1,2634)	1:14:B:LEU:HD11	1:54:B:LEU:HA	15	0.81	0.12	0.85
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	15	0.81	0.12	0.85
(1,2569)	1:40:A:LEU:HD13	1:43:A:LEU:H	15	0.8	0.12	0.82
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	15	0.8	0.12	0.82
(1,2569)	1:40:A:LEU:HD11	1:45:A:ILE:H	15	0.8	0.12	0.82
(1,2569)	1:40:A:LEU:HD12	1:43:A:LEU:H	15	0.8	0.12	0.82
(1,2569)	1:40:A:LEU:HD11	1:41:A:ASN:H	15	0.8	0.12	0.82
(1,2569)	1:40:A:LEU:HD13	1:41:A:ASN:H	15	0.8	0.12	0.82
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	15	0.8	0.38	0.84
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	15	0.8	0.38	0.83
(1,3039)	1:45:A:ILE:HA	1:50:A:HIS:HE1	15	0.8	0.38	0.83
(1,2224)	1:22:B:LEU:HG	1:25:B:GLY:HA3	15	0.8	0.3	0.96
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	15	0.8	0.3	0.96
(1,2223)	1:22:A:LEU:HG	1:25:A:GLY:HA3	15	0.8	0.3	0.96
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	15	0.8	0.3	0.96
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	15	0.8	0.01	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	15	0.8	0.01	0.8
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	15	0.79	0.19	0.82
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	15	0.79	0.18	0.74
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	15	0.79	0.18	0.75
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	15	0.79	0.11	0.78
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG23	15	0.79	0.11	0.78
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG21	15	0.79	0.11	0.78
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG22	15	0.79	0.11	0.78
(1,2615)	1:20:A:THR:HG21	1:43:A:LEU:HA	15	0.79	0.11	0.78
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	15	0.78	0.11	0.78
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG23	15	0.78	0.11	0.78
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG21	15	0.78	0.11	0.78
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG22	15	0.78	0.11	0.78
(1,2616)	1:20:B:THR:HG21	1:43:B:LEU:HA	15	0.78	0.11	0.78
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	15	0.78	0.18	0.82
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	15	0.78	0.21	0.72
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	15	0.78	0.21	0.72
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG22	15	0.78	0.21	0.72
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	15	0.78	0.16	0.8
(1,3090)	1:8:B:LEU:HD21	1:56:A:THR:HA	15	0.78	0.16	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	15	0.78	0.16	0.8
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	15	0.78	0.21	0.72
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	15	0.78	0.21	0.72
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG22	15	0.78	0.21	0.72
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	15	0.77	0.16	0.81
(1,3089)	1:8:A:LEU:HD21	1:56:B:THR:HA	15	0.77	0.16	0.81
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	15	0.77	0.16	0.81
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	15	0.77	0.1	0.79
(1,1692)	1:32:B:PHE:HB2	1:61:B:LEU:HB3	15	0.77	0.1	0.79
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	15	0.77	0.26	0.9
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	15	0.77	0.26	0.9
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	15	0.77	0.26	0.9
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	15	0.77	0.26	0.9
(2,4471)	1:35:A:LEU:HD11	1:32:A:PHE:HE1	15	0.77	0.26	0.9
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	15	0.77	0.09	0.79
(1,1691)	1:32:A:PHE:HB2	1:61:A:LEU:HB3	15	0.77	0.09	0.79
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	15	0.77	0.26	0.89
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	15	0.77	0.26	0.89
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	15	0.77	0.26	0.89
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	15	0.77	0.26	0.89
(2,4472)	1:35:B:LEU:HD11	1:32:B:PHE:HE1	15	0.77	0.26	0.89
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD12	15	0.76	0.05	0.76
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD13	15	0.76	0.05	0.76
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD11	15	0.76	0.05	0.76
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD11	15	0.76	0.05	0.76
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD13	15	0.76	0.05	0.76
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	15	0.76	0.12	0.73
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	15	0.76	0.12	0.73
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	15	0.76	0.12	0.73
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	15	0.76	0.12	0.73
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	15	0.76	0.12	0.73
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	15	0.76	0.12	0.73
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD12	15	0.76	0.05	0.76
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD13	15	0.76	0.05	0.76
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD11	15	0.76	0.05	0.76
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD11	15	0.76	0.05	0.76
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD13	15	0.76	0.05	0.76
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	15	0.75	0.03	0.75
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	15	0.75	0.03	0.75
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	15	0.75	0.28	0.77
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	15	0.75	0.28	0.77
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG22	15	0.75	0.28	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	15	0.75	0.28	0.77
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	15	0.75	0.28	0.77
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG22	15	0.75	0.28	0.77
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	15	0.75	0.14	0.74
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD11	15	0.75	0.14	0.74
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD13	15	0.75	0.14	0.74
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD21	15	0.75	0.04	0.75
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD23	15	0.75	0.04	0.75
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD21	15	0.75	0.04	0.75
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD22	15	0.75	0.04	0.75
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD23	15	0.75	0.04	0.75
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD22	15	0.75	0.04	0.75
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	15	0.75	0.15	0.74
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD11	15	0.75	0.15	0.74
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD13	15	0.75	0.15	0.74
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	15	0.75	0.09	0.73
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD21	15	0.75	0.04	0.75
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD23	15	0.75	0.04	0.75
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD23	15	0.75	0.04	0.75
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD22	15	0.75	0.04	0.75
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD21	15	0.75	0.04	0.75
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD22	15	0.75	0.04	0.75
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD21	15	0.75	0.22	0.69
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	15	0.75	0.22	0.69
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD21	15	0.75	0.22	0.69
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD23	15	0.75	0.22	0.69
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD23	15	0.75	0.22	0.69
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	15	0.75	0.09	0.73
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	15	0.74	0.11	0.73
(1,3149)	1:12:A:ILE:HD12	1:60:B:LEU:H	15	0.74	0.11	0.73
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	15	0.74	0.11	0.73
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD21	15	0.74	0.22	0.69
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	15	0.74	0.22	0.69
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD21	15	0.74	0.22	0.69
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD23	15	0.74	0.22	0.69
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD23	15	0.74	0.22	0.69
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	15	0.74	0.11	0.72
(1,3150)	1:12:B:ILE:HD12	1:60:A:LEU:H	15	0.74	0.11	0.72
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	15	0.74	0.11	0.72
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	15	0.74	0.02	0.74
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	15	0.74	0.02	0.74
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD23	15	0.74	0.02	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	15	0.74	0.2	0.83
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	15	0.74	0.2	0.83
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	15	0.74	0.02	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	15	0.74	0.02	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD23	15	0.74	0.02	0.73
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD23	15	0.74	0.09	0.75
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD22	15	0.74	0.09	0.75
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD21	15	0.74	0.09	0.75
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD23	15	0.74	0.09	0.75
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD22	15	0.74	0.09	0.75
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD21	15	0.74	0.09	0.75
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	15	0.74	0.2	0.83
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	15	0.74	0.2	0.83
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	15	0.74	0.12	0.76
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	15	0.74	0.12	0.76
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	15	0.73	0.31	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD13	15	0.73	0.31	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD12	15	0.73	0.31	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD22	15	0.73	0.31	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD21	15	0.73	0.31	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD23	15	0.73	0.31	0.62
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	15	0.73	0.31	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD13	15	0.73	0.31	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD12	15	0.73	0.31	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD22	15	0.73	0.31	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD21	15	0.73	0.31	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD23	15	0.73	0.31	0.61
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD23	15	0.73	0.09	0.73
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD22	15	0.73	0.09	0.73
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD21	15	0.73	0.09	0.73
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD23	15	0.73	0.09	0.73
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD22	15	0.73	0.09	0.73
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD21	15	0.73	0.09	0.73
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	15	0.73	0.16	0.79
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	15	0.73	0.16	0.79
(1,956)	1:2:B:PRO:HA	1:6:B:HIS:HB3	15	0.73	0.16	0.79
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	15	0.73	0.16	0.79
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	15	0.73	0.16	0.79
(1,955)	1:2:A:PRO:HA	1:6:A:HIS:HB3	15	0.73	0.16	0.79
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	15	0.73	0.01	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	15	0.73	0.01	0.73
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	15	0.72	0.08	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	15	0.72	0.09	0.75
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	15	0.72	0.02	0.73
(1,2337)	1:53:A:LYS:HG3	1:12:A:ILE:HA	15	0.72	0.06	0.71
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	15	0.72	0.06	0.71
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	15	0.72	0.02	0.73
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	15	0.72	0.03	0.72
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	15	0.72	0.03	0.72
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	15	0.72	0.03	0.72
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	15	0.72	0.03	0.72
(1,2338)	1:53:B:LYS:HG3	1:12:B:ILE:HA	15	0.72	0.06	0.71
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	15	0.72	0.06	0.71
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	15	0.71	0.23	0.85
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD12	15	0.71	0.23	0.85
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD13	15	0.71	0.23	0.85
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD22	15	0.71	0.02	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD23	15	0.71	0.02	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	15	0.71	0.02	0.72
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	15	0.71	0.23	0.85
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD12	15	0.71	0.23	0.85
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD13	15	0.71	0.23	0.85
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	15	0.71	0.09	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD22	15	0.71	0.03	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD23	15	0.71	0.03	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	15	0.71	0.03	0.72
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	15	0.71	0.09	0.71
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	15	0.71	0.22	0.7
(1,343)	1:29:A:LEU:H	1:26:A:TYR:HA	15	0.71	0.22	0.7
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	15	0.71	0.22	0.7
(1,344)	1:29:B:LEU:H	1:26:B:TYR:HA	15	0.71	0.22	0.7
(1,3013)	1:35:A:LEU:HD22	1:32:A:PHE:HD2	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD13	1:32:A:PHE:HD1	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD1	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD2	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD22	1:32:A:PHE:HD1	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD13	1:32:A:PHE:HD2	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD2	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD1	15	0.71	0.18	0.78
(1,3013)	1:35:A:LEU:HD23	1:32:A:PHE:HD2	15	0.71	0.18	0.78
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	15	0.71	0.05	0.72
(1,3014)	1:35:B:LEU:HD22	1:32:B:PHE:HD2	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD13	1:32:B:PHE:HD1	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD1	15	0.71	0.18	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD2	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD22	1:32:B:PHE:HD1	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD13	1:32:B:PHE:HD2	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD2	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD1	15	0.71	0.18	0.78
(1,3014)	1:35:B:LEU:HD23	1:32:B:PHE:HD2	15	0.71	0.18	0.78
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	15	0.71	0.05	0.72
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	15	0.71	0.22	0.75
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	15	0.71	0.22	0.75
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	15	0.71	0.22	0.75
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	15	0.71	0.02	0.71
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	15	0.71	0.22	0.75
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	15	0.71	0.22	0.75
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	15	0.71	0.22	0.75
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	15	0.71	0.02	0.71
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	15	0.7	0.19	0.72
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	15	0.7	0.19	0.72
(1,3038)	1:54:B:LEU:HD12	1:50:B:HIS:HD2	15	0.7	0.19	0.72
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	15	0.7	0.18	0.71
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	15	0.7	0.18	0.71
(1,3037)	1:54:A:LEU:HD12	1:50:A:HIS:HD2	15	0.7	0.18	0.71
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	15	0.7	0.02	0.71
(1,1524)	1:53:B:LYS:HE2	1:53:B:LYS:HB2	15	0.7	0.02	0.71
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	15	0.7	0.16	0.71
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	15	0.7	0.16	0.71
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD12	15	0.7	0.16	0.71
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	15	0.7	0.16	0.71
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	15	0.7	0.16	0.71
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD12	15	0.7	0.16	0.71
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	15	0.7	0.05	0.7
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	15	0.7	0.02	0.71
(1,1523)	1:53:A:LYS:HE2	1:53:A:LYS:HB2	15	0.7	0.02	0.71
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	15	0.7	0.05	0.69
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	15	0.7	0.49	0.3
(1,990)	1:19:B:SER:HB3	1:18:B:THR:HA	15	0.7	0.49	0.3
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	15	0.7	0.14	0.74
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	15	0.7	0.14	0.74
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	15	0.7	0.14	0.74
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	15	0.69	0.18	0.74
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	15	0.69	0.18	0.74
(2,4359)	1:14:A:LEU:HD13	1:50:A:HIS:HE1	15	0.69	0.18	0.74
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	15	0.69	0.14	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	15	0.69	0.14	0.74
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	15	0.69	0.14	0.74
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	15	0.69	0.19	0.68
(1,2213)	1:2:A:PRO:HG3	1:62:B:LEU:HB3	15	0.69	0.19	0.68
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	15	0.69	0.19	0.68
(1,2214)	1:2:B:PRO:HG3	1:62:A:LEU:HB3	15	0.69	0.19	0.68
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	15	0.69	0.03	0.71
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	15	0.69	0.49	0.31
(1,989)	1:19:A:SER:HB3	1:18:A:THR:HA	15	0.69	0.49	0.31
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD2	15	0.69	0.18	0.78
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	15	0.69	0.18	0.78
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD1	15	0.69	0.18	0.78
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	15	0.69	0.03	0.71
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	15	0.69	0.18	0.73
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	15	0.69	0.18	0.73
(2,4360)	1:14:B:LEU:HD13	1:50:B:HIS:HE1	15	0.69	0.18	0.73
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD2	15	0.69	0.19	0.78
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	15	0.69	0.19	0.78
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD1	15	0.69	0.19	0.78
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	15	0.69	0.07	0.69
(1,2759)	1:57:A:ALA:HB3	1:53:A:LYS:HE2	15	0.69	0.07	0.69
(1,2759)	1:57:A:ALA:HB1	1:53:A:LYS:HE2	15	0.69	0.07	0.69
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	15	0.69	0.06	0.69
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	15	0.69	0.06	0.69
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD12	15	0.69	0.06	0.69
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD11	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG21	1:12:A:ILE:HD12	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD13	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD13	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD12	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD12	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG21	1:12:A:ILE:HD11	15	0.69	0.11	0.7
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD11	15	0.69	0.11	0.7
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	15	0.69	0.02	0.69
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	15	0.69	0.05	0.68
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	15	0.69	0.05	0.68
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD12	15	0.69	0.05	0.68
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	15	0.69	0.02	0.69
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	15	0.69	0.07	0.69
(1,2760)	1:57:B:ALA:HB3	1:53:B:LYS:HE2	15	0.69	0.07	0.69
(1,2760)	1:57:B:ALA:HB1	1:53:B:LYS:HE2	15	0.69	0.07	0.69
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	15	0.69	0.09	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD13	15	0.69	0.09	0.69
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD12	15	0.69	0.09	0.69
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	15	0.69	0.09	0.69
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD13	15	0.69	0.09	0.69
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD12	15	0.69	0.09	0.69
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD11	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG21	1:12:B:ILE:HD12	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD13	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD13	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD12	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD12	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG21	1:12:B:ILE:HD11	15	0.69	0.12	0.7
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD11	15	0.69	0.12	0.7
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD12	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD13	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD11	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD12	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD11	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD13	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB3	1:12:B:ILE:HD12	15	0.68	0.1	0.66
(1,2715)	1:52:A:ALA:HB3	1:12:B:ILE:HD11	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB1	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB1	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB2	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB2	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB1	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB2	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB3	15	0.68	0.1	0.66
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB3	15	0.68	0.1	0.66
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	15	0.68	0.11	0.72
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	15	0.68	0.11	0.72
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD12	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD13	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD11	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD12	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD11	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD13	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB3	1:12:A:ILE:HD12	15	0.68	0.1	0.65
(1,2716)	1:52:B:ALA:HB3	1:12:A:ILE:HD11	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB1	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB1	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB2	15	0.68	0.1	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB2	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB1	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB2	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB3	15	0.68	0.1	0.65
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB3	15	0.68	0.1	0.65
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	15	0.68	0.14	0.64
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	15	0.68	0.14	0.64
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	15	0.68	0.14	0.64
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	15	0.68	0.14	0.64
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	15	0.68	0.14	0.64
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	15	0.68	0.14	0.64
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	15	0.68	0.04	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	15	0.67	0.04	0.7
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	15	0.67	0.01	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG21	15	0.67	0.01	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG23	15	0.67	0.01	0.67
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	15	0.67	0.09	0.68
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	15	0.67	0.08	0.68
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	15	0.67	0.15	0.7
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	15	0.67	0.15	0.7
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD11	15	0.67	0.15	0.7
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	15	0.67	0.01	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG21	15	0.67	0.01	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG23	15	0.67	0.01	0.67
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	15	0.67	0.07	0.69
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	15	0.67	0.15	0.7
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	15	0.67	0.15	0.7
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD11	15	0.67	0.15	0.7
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	15	0.67	0.05	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG23	15	0.67	0.05	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG22	15	0.67	0.05	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	15	0.67	0.01	0.67
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	15	0.67	0.05	0.66
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG23	15	0.67	0.05	0.66
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG22	15	0.67	0.05	0.66
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	15	0.67	0.15	0.6
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HB3	15	0.67	0.15	0.6
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	15	0.67	0.15	0.6
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HB3	15	0.67	0.15	0.6
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	15	0.67	0.07	0.69
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	15	0.67	0.01	0.67
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	15	0.66	0.2	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD11	15	0.66	0.2	0.6
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	15	0.66	0.2	0.6
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	15	0.66	0.2	0.59
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD11	15	0.66	0.2	0.59
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	15	0.66	0.2	0.59
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	15	0.66	0.07	0.65
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD23	15	0.66	0.14	0.62
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	15	0.66	0.14	0.62
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD22	15	0.66	0.14	0.62
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	15	0.66	0.07	0.65
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD23	15	0.66	0.14	0.62
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	15	0.66	0.14	0.62
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD22	15	0.66	0.14	0.62
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	15	0.66	0.07	0.65
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	15	0.66	0.07	0.65
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD23	15	0.66	0.07	0.65
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	15	0.66	0.07	0.65
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	15	0.66	0.07	0.65
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD23	15	0.66	0.07	0.65
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	15	0.65	0.19	0.61
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD1	15	0.65	0.19	0.61
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD2	15	0.65	0.19	0.61
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD2	15	0.65	0.19	0.61
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	15	0.65	0.17	0.6
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	15	0.65	0.17	0.6
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	15	0.65	0.19	0.62
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD1	15	0.65	0.19	0.62
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD2	15	0.65	0.19	0.62
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD2	15	0.65	0.19	0.62
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	15	0.65	0.3	0.66
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	15	0.65	0.3	0.66
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD21	15	0.65	0.3	0.66
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	15	0.65	0.17	0.59
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	15	0.65	0.17	0.59
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	15	0.65	0.1	0.69
(1,2045)	1:17:A:HIS:HB3	1:51:A:ARG:HA	15	0.65	0.1	0.69
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	15	0.65	0.3	0.66
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	15	0.65	0.3	0.66
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD21	15	0.65	0.3	0.66
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	15	0.65	0.09	0.69
(1,2046)	1:17:B:HIS:HB3	1:51:B:ARG:HA	15	0.65	0.09	0.69
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	15	0.65	0.09	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD13	15	0.65	0.09	0.62
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	15	0.65	0.09	0.62
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	15	0.64	0.09	0.62
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD13	15	0.64	0.09	0.62
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	15	0.64	0.09	0.62
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	15	0.64	0.13	0.6
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	15	0.64	0.13	0.6
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	15	0.64	0.14	0.59
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	15	0.64	0.14	0.59
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	15	0.64	0.27	0.79
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD12	15	0.64	0.27	0.79
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD13	15	0.64	0.27	0.79
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	15	0.64	0.27	0.79
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD12	15	0.64	0.27	0.79
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD13	15	0.64	0.27	0.79
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	15	0.64	0.11	0.66
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD1	15	0.64	0.11	0.66
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD22	15	0.64	0.11	0.66
(1,2996)	1:60:B:LEU:HD13	1:64:B:TYR:HD1	15	0.64	0.11	0.66
(1,2996)	1:60:B:LEU:HD12	1:64:B:TYR:HD2	15	0.64	0.11	0.66
(1,2996)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	15	0.64	0.11	0.66
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD21	15	0.64	0.11	0.66
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD23	15	0.64	0.11	0.66
(1,2996)	1:64:B:TYR:HD2	1:61:A:LEU:HD22	15	0.64	0.11	0.66
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD22	15	0.64	0.11	0.63
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	15	0.64	0.11	0.63
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD21	15	0.64	0.11	0.63
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD22	15	0.64	0.11	0.63
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	15	0.64	0.11	0.63
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD21	15	0.64	0.11	0.63
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	15	0.64	0.2	0.67
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	15	0.64	0.11	0.66
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD1	15	0.64	0.11	0.66
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD22	15	0.64	0.11	0.66
(1,2995)	1:60:A:LEU:HD13	1:64:A:TYR:HD1	15	0.64	0.11	0.66
(1,2995)	1:60:A:LEU:HD12	1:64:A:TYR:HD2	15	0.64	0.11	0.66
(1,2995)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	15	0.64	0.11	0.66
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD21	15	0.64	0.11	0.66
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD23	15	0.64	0.11	0.66
(1,2995)	1:64:A:TYR:HD2	1:61:B:LEU:HD22	15	0.64	0.11	0.66
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	15	0.64	0.14	0.59
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	15	0.64	0.14	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	15	0.63	0.16	0.59
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	15	0.63	0.16	0.59
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD23	15	0.63	0.16	0.59
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD12	15	0.63	0.16	0.59
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	15	0.63	0.2	0.68
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	15	0.63	0.15	0.62
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD21	15	0.63	0.15	0.62
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD23	15	0.63	0.15	0.62
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	15	0.63	0.15	0.62
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD21	15	0.63	0.15	0.62
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD23	15	0.63	0.15	0.62
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	15	0.63	0.09	0.64
(1,1289)	1:57:A:ALA:HA	1:59:A:GLU:HG2	15	0.63	0.09	0.64
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	15	0.63	0.16	0.59
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	15	0.63	0.16	0.59
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD23	15	0.63	0.16	0.59
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD12	15	0.63	0.16	0.59
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	15	0.63	0.09	0.64
(1,1290)	1:57:B:ALA:HA	1:59:B:GLU:HG2	15	0.63	0.09	0.64
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB2	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	15	0.63	0.14	0.61
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB3	15	0.63	0.14	0.61
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	15	0.63	0.21	0.67
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB2	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	15	0.63	0.13	0.6
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB3	15	0.63	0.13	0.6
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	15	0.63	0.21	0.67
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	15	0.62	0.24	0.6
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	15	0.62	0.25	0.6
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD11	15	0.62	0.16	0.61
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD12	15	0.62	0.16	0.61
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD13	15	0.62	0.16	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD13	15	0.62	0.16	0.61
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD11	15	0.62	0.16	0.61
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD12	15	0.62	0.16	0.61
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	15	0.62	0.06	0.6
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD11	15	0.62	0.06	0.6
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	15	0.62	0.06	0.6
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	15	0.62	0.06	0.6
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD11	15	0.62	0.06	0.6
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	15	0.62	0.06	0.6
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	15	0.62	0.23	0.62
(2,4689)	1:8:A:LEU:HD22	1:32:A:PHE:HZ	15	0.62	0.23	0.62
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	15	0.62	0.23	0.62
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD11	15	0.62	0.16	0.6
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD12	15	0.62	0.16	0.6
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD13	15	0.62	0.16	0.6
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD13	15	0.62	0.16	0.6
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD11	15	0.62	0.16	0.6
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD12	15	0.62	0.16	0.6
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	15	0.62	0.23	0.62
(2,4690)	1:8:B:LEU:HD22	1:32:B:PHE:HZ	15	0.62	0.23	0.62
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	15	0.62	0.23	0.62
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	15	0.62	0.03	0.62
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	15	0.62	0.03	0.62
(2,327)	1:18:A:THR:H	1:18:A:THR:HG21	15	0.62	0.03	0.62
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	15	0.62	0.03	0.62
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	15	0.62	0.03	0.62
(2,328)	1:18:B:THR:H	1:18:B:THR:HG21	15	0.62	0.03	0.62
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	15	0.62	0.03	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	15	0.62	0.03	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD12	15	0.62	0.03	0.61
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	15	0.62	0.03	0.61
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	15	0.62	0.03	0.61
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD12	15	0.62	0.03	0.61
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	15	0.61	0.09	0.61
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	15	0.61	0.09	0.61
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD22	15	0.61	0.09	0.61
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	15	0.61	0.03	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	15	0.61	0.01	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	15	0.61	0.01	0.61
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	15	0.61	0.03	0.62
(1,2318)	1:9:B:LEU:HD21	1:20:B:THR:HB	15	0.61	0.15	0.57
(1,2318)	1:9:B:LEU:HD23	1:20:B:THR:HB	15	0.61	0.15	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	15	0.61	0.15	0.57
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	15	0.61	0.09	0.6
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	15	0.61	0.09	0.6
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD22	15	0.61	0.09	0.6
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	15	0.61	0.01	0.61
(1,2317)	1:9:A:LEU:HD21	1:20:A:THR:HB	15	0.61	0.15	0.57
(1,2317)	1:9:A:LEU:HD23	1:20:A:THR:HB	15	0.61	0.15	0.57
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	15	0.61	0.15	0.57
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	15	0.61	0.01	0.61
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	15	0.61	0.09	0.6
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	15	0.61	0.09	0.6
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD23	15	0.61	0.09	0.6
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	15	0.61	0.07	0.6
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	15	0.61	0.1	0.6
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	15	0.61	0.1	0.6
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD23	15	0.61	0.1	0.6
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	15	0.61	0.03	0.61
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	15	0.61	0.02	0.61
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	15	0.6	0.07	0.6
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	15	0.6	0.09	0.59
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD22	15	0.6	0.09	0.59
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD23	15	0.6	0.09	0.59
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	15	0.6	0.11	0.6
(1,2499)	1:61:A:LEU:HD23	1:64:B:TYR:HB3	15	0.6	0.26	0.61
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	15	0.6	0.26	0.61
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	15	0.6	0.26	0.61
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	15	0.6	0.11	0.6
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	15	0.6	0.12	0.58
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	15	0.6	0.12	0.58
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	15	0.6	0.12	0.58
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	15	0.6	0.09	0.59
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD22	15	0.6	0.09	0.59
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD23	15	0.6	0.09	0.59
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	15	0.6	0.03	0.59
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	15	0.6	0.12	0.58
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	15	0.6	0.12	0.58
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	15	0.6	0.12	0.58
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	15	0.6	0.03	0.59
(1,2500)	1:61:B:LEU:HD23	1:64:A:TYR:HB3	15	0.6	0.26	0.61
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	15	0.6	0.26	0.61
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	15	0.6	0.26	0.61
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	15	0.59	0.21	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG23	15	0.59	0.21	0.53
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG22	15	0.59	0.21	0.53
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	15	0.59	0.02	0.59
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	15	0.59	0.02	0.59
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	15	0.59	0.22	0.53
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG23	15	0.59	0.22	0.53
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG22	15	0.59	0.22	0.53
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	15	0.59	0.13	0.64
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	15	0.59	0.13	0.64
(2,4725)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	15	0.59	0.13	0.64
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	15	0.59	0.07	0.58
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	15	0.59	0.06	0.58
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	15	0.59	0.09	0.57
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	15	0.59	0.18	0.66
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	15	0.59	0.18	0.66
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG23	15	0.59	0.18	0.66
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	15	0.59	0.19	0.67
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	15	0.59	0.19	0.67
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG23	15	0.59	0.19	0.67
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	15	0.59	0.03	0.6
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD13	15	0.59	0.03	0.6
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD11	15	0.59	0.03	0.6
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	15	0.59	0.09	0.57
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG23	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG21	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG23	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG22	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG23	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG22	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG21	15	0.59	0.11	0.59
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG22	15	0.59	0.11	0.59
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	15	0.58	0.03	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD13	15	0.58	0.03	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD11	15	0.58	0.03	0.6
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	15	0.58	0.13	0.64
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	15	0.58	0.13	0.64
(2,4726)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	15	0.58	0.13	0.64
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG23	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG21	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG23	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG22	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG23	15	0.58	0.12	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG22	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG21	15	0.58	0.12	0.6
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG22	15	0.58	0.12	0.6
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	15	0.58	0.04	0.59
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB2	15	0.58	0.04	0.59
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB3	15	0.58	0.04	0.59
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB2	15	0.58	0.04	0.59
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB3	15	0.58	0.04	0.59
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB1	15	0.58	0.04	0.59
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	15	0.58	0.08	0.57
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG22	15	0.58	0.08	0.57
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	15	0.58	0.08	0.57
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	15	0.58	0.04	0.59
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB2	15	0.58	0.04	0.59
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB3	15	0.58	0.04	0.59
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB2	15	0.58	0.04	0.59
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB3	15	0.58	0.04	0.59
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB1	15	0.58	0.04	0.59
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	15	0.58	0.09	0.59
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	15	0.58	0.09	0.59
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	15	0.58	0.08	0.57
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG22	15	0.58	0.08	0.57
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	15	0.58	0.08	0.57
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	15	0.58	0.08	0.6
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB3	15	0.58	0.08	0.6
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	15	0.58	0.08	0.54
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	15	0.58	0.08	0.54
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	15	0.58	0.08	0.54
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	15	0.58	0.08	0.54
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	15	0.58	0.05	0.57
(1,2594)	1:60:B:LEU:HD11	1:12:A:ILE:HG12	15	0.58	0.05	0.57
(1,2594)	1:60:B:LEU:HD13	1:12:A:ILE:HG12	15	0.58	0.05	0.57
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	15	0.58	0.06	0.56
(1,2593)	1:60:A:LEU:HD11	1:12:B:ILE:HG12	15	0.58	0.06	0.56
(1,2593)	1:60:A:LEU:HD13	1:12:B:ILE:HG12	15	0.58	0.06	0.56
(1,2788)	1:46:B:MET:HE1	1:46:B:MET:H	15	0.57	0.32	0.49
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE2	15	0.57	0.32	0.49
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE1	15	0.57	0.32	0.49
(1,2788)	1:46:B:MET:HE3	1:46:B:MET:H	15	0.57	0.32	0.49
(1,2788)	1:46:B:MET:HE2	1:46:B:MET:H	15	0.57	0.32	0.49
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE3	15	0.57	0.32	0.49
(1,2787)	1:46:A:MET:HE1	1:46:A:MET:H	15	0.57	0.32	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE2	15	0.57	0.32	0.49
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE1	15	0.57	0.32	0.49
(1,2787)	1:46:A:MET:HE3	1:46:A:MET:H	15	0.57	0.32	0.49
(1,2787)	1:46:A:MET:HE2	1:46:A:MET:H	15	0.57	0.32	0.49
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE3	15	0.57	0.32	0.49
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	15	0.57	0.17	0.58
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	15	0.57	0.17	0.57
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	15	0.57	0.12	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	15	0.57	0.02	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD12	15	0.57	0.02	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	15	0.57	0.02	0.57
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	15	0.57	0.11	0.56
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	15	0.57	0.06	0.57
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG22	15	0.57	0.06	0.57
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG21	15	0.57	0.06	0.57
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	15	0.57	0.02	0.57
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD12	15	0.57	0.02	0.57
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	15	0.57	0.02	0.57
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	15	0.57	0.06	0.57
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG22	15	0.57	0.06	0.57
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG21	15	0.57	0.06	0.57
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	15	0.57	0.08	0.54
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	15	0.57	0.08	0.56
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	15	0.57	0.08	0.58
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	15	0.57	0.08	0.58
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	15	0.57	0.08	0.58
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	15	0.57	0.08	0.58
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	15	0.57	0.08	0.58
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	15	0.57	0.08	0.58
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	15	0.56	0.08	0.56
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	15	0.56	0.13	0.66
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	15	0.56	0.08	0.54
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	15	0.56	0.13	0.66
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	15	0.56	0.14	0.51
(1,1315)	1:44:A:ASN:HA	1:45:A:ILE:HB	15	0.56	0.14	0.51
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	15	0.56	0.14	0.51
(1,1316)	1:44:B:ASN:HA	1:45:B:ILE:HB	15	0.56	0.14	0.51
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	15	0.56	0.18	0.52
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD11	15	0.56	0.18	0.52
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	15	0.56	0.18	0.52
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	15	0.56	0.18	0.52
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD11	15	0.56	0.18	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	15	0.56	0.18	0.52
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD2	15	0.56	0.14	0.52
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	15	0.56	0.14	0.52
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	15	0.56	0.14	0.52
(2,4449)	1:9:A:LEU:HD13	1:32:A:PHE:HD1	15	0.56	0.14	0.52
(2,4449)	1:9:A:LEU:HD13	1:32:A:PHE:HD2	15	0.56	0.14	0.52
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD1	15	0.56	0.14	0.52
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD2	15	0.55	0.14	0.52
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	15	0.55	0.14	0.52
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	15	0.55	0.14	0.52
(2,4450)	1:9:B:LEU:HD13	1:32:B:PHE:HD1	15	0.55	0.14	0.52
(2,4450)	1:9:B:LEU:HD13	1:32:B:PHE:HD2	15	0.55	0.14	0.52
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD1	15	0.55	0.14	0.52
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	15	0.55	0.13	0.61
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	15	0.55	0.13	0.61
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	15	0.55	0.13	0.61
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	15	0.55	0.14	0.57
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	15	0.55	0.14	0.57
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB2	15	0.55	0.14	0.57
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	15	0.55	0.27	0.5
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD11	15	0.55	0.27	0.5
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD13	15	0.55	0.27	0.5
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	15	0.55	0.28	0.5
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD11	15	0.55	0.28	0.5
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD13	15	0.55	0.28	0.5
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	15	0.55	0.13	0.61
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	15	0.55	0.13	0.61
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	15	0.55	0.13	0.61
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	15	0.55	0.01	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	15	0.55	0.01	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	15	0.55	0.01	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	15	0.55	0.01	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD23	15	0.55	0.01	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD22	15	0.55	0.01	0.55
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	15	0.55	0.14	0.56
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	15	0.55	0.14	0.56
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB2	15	0.55	0.14	0.56
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	15	0.55	0.11	0.5
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	15	0.55	0.11	0.5
(1,2805)	1:45:A:ILE:HG21	1:40:A:LEU:HA	15	0.55	0.11	0.5
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	15	0.55	0.12	0.5
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	15	0.55	0.12	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2806)	1:45:B:ILE:HG21	1:40:B:LEU:HA	15	0.55	0.12	0.5
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	15	0.55	0.08	0.55
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG22	15	0.55	0.08	0.55
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG23	15	0.55	0.08	0.55
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	15	0.55	0.05	0.55
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	15	0.54	0.05	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	15	0.54	0.08	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG22	15	0.54	0.08	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG23	15	0.54	0.08	0.55
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	15	0.54	0.02	0.55
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	15	0.54	0.02	0.54
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	15	0.54	0.26	0.52
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	15	0.54	0.26	0.52
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	15	0.54	0.07	0.54
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	15	0.54	0.07	0.54
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD22	15	0.54	0.08	0.54
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	15	0.54	0.08	0.54
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD21	15	0.54	0.08	0.54
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD22	15	0.54	0.09	0.54
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	15	0.54	0.09	0.54
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD21	15	0.54	0.09	0.54
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD12	15	0.53	0.1	0.55
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD11	15	0.53	0.1	0.55
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD13	15	0.53	0.1	0.55
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD13	15	0.53	0.1	0.55
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD12	15	0.53	0.1	0.55
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD11	15	0.53	0.1	0.55
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD12	15	0.53	0.1	0.55
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD11	15	0.53	0.1	0.55
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD13	15	0.53	0.1	0.55
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD13	15	0.53	0.1	0.55
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD12	15	0.53	0.1	0.55
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD11	15	0.53	0.1	0.55
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	15	0.52	0.13	0.58
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	15	0.52	0.13	0.58
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	15	0.52	0.13	0.58
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	15	0.52	0.38	0.46
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	15	0.52	0.38	0.47
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	15	0.52	0.13	0.58
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	15	0.52	0.13	0.58
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	15	0.52	0.13	0.58
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	15	0.52	0.1	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD13	15	0.52	0.1	0.52
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	15	0.52	0.1	0.52
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	15	0.52	0.04	0.52
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	15	0.52	0.1	0.52
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD13	15	0.52	0.1	0.52
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	15	0.52	0.1	0.52
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	15	0.52	0.04	0.51
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	15	0.52	0.06	0.5
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	15	0.52	0.06	0.5
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	15	0.52	0.06	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	15	0.52	0.06	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD11	15	0.52	0.06	0.52
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	15	0.51	0.1	0.52
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	15	0.51	0.1	0.52
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD13	15	0.51	0.1	0.52
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	15	0.51	0.1	0.52
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	15	0.51	0.1	0.52
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD13	15	0.51	0.1	0.52
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	15	0.51	0.03	0.51
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	15	0.51	0.03	0.51
(1,2732)	1:52:B:ALA:HB1	1:51:B:ARG:H	15	0.51	0.03	0.51
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	15	0.51	0.07	0.5
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	15	0.51	0.07	0.5
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD11	15	0.51	0.07	0.5
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	15	0.51	0.03	0.51
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	15	0.51	0.03	0.51
(1,2731)	1:52:A:ALA:HB1	1:51:A:ARG:H	15	0.51	0.03	0.51
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	15	0.51	0.08	0.5
(1,2905)	1:56:A:THR:HG22	1:60:A:LEU:HB2	15	0.51	0.08	0.5
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	15	0.51	0.08	0.5
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD11	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD12	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD13	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD11	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD13	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD12	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD11	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD13	15	0.51	0.1	0.54
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD12	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD11	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD12	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD13	15	0.51	0.1	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD11	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD13	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD12	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD11	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD13	15	0.51	0.1	0.54
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD12	15	0.51	0.1	0.54
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	15	0.51	0.11	0.52
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	15	0.51	0.08	0.49
(1,2906)	1:56:B:THR:HG22	1:60:B:LEU:HB2	15	0.51	0.08	0.49
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	15	0.51	0.08	0.49
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	15	0.51	0.11	0.52
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	15	0.5	0.05	0.49
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	15	0.5	0.05	0.49
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	15	0.5	0.01	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	15	0.5	0.01	0.5
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	15	0.5	0.1	0.52
(2,4478)	1:18:B:THR:HG22	1:4:B:THR:HB	15	0.5	0.1	0.52
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	15	0.5	0.1	0.52
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	15	0.5	0.02	0.5
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	15	0.5	0.02	0.5
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD23	15	0.5	0.02	0.5
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	15	0.5	0.1	0.52
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	15	0.5	0.1	0.52
(2,4477)	1:18:A:THR:HG21	1:4:A:THR:HB	15	0.5	0.1	0.52
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	15	0.5	0.05	0.51
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG22	15	0.5	0.05	0.51
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG21	15	0.5	0.05	0.51
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	15	0.5	0.03	0.5
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD23	15	0.5	0.03	0.5
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	15	0.5	0.03	0.5
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	15	0.5	0.04	0.5
(2,4082)	1:12:B:ILE:HG23	1:56:A:THR:HB	15	0.5	0.04	0.5
(2,4082)	1:12:B:ILE:HG22	1:56:A:THR:HB	15	0.5	0.04	0.5
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	15	0.5	0.1	0.49
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD11	15	0.5	0.1	0.49
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	15	0.5	0.1	0.49
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	15	0.5	0.03	0.5
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD23	15	0.5	0.03	0.5
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	15	0.5	0.03	0.5
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	15	0.49	0.1	0.49
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD11	15	0.49	0.1	0.49
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	15	0.49	0.1	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	15	0.49	0.04	0.5
(2,4081)	1:12:A:ILE:HG23	1:56:B:THR:HB	15	0.49	0.04	0.5
(2,4081)	1:12:A:ILE:HG22	1:56:B:THR:HB	15	0.49	0.04	0.5
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	15	0.49	0.05	0.51
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG22	15	0.49	0.05	0.51
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG21	15	0.49	0.05	0.51
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	15	0.49	0.02	0.49
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	15	0.49	0.02	0.49
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD23	15	0.49	0.02	0.49
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD2	15	0.49	0.09	0.5
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD1	15	0.49	0.09	0.5
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD1	15	0.49	0.09	0.5
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD1	15	0.49	0.09	0.5
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD2	15	0.49	0.09	0.5
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD2	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD2	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD1	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD1	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD1	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD2	15	0.49	0.09	0.5
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD2	15	0.49	0.09	0.5
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	15	0.49	0.16	0.52
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	15	0.49	0.16	0.52
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	15	0.49	0.08	0.48
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	15	0.49	0.13	0.5
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD13	15	0.49	0.13	0.5
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD12	15	0.49	0.13	0.5
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	15	0.49	0.01	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	15	0.49	0.01	0.48
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	15	0.49	0.13	0.5
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD13	15	0.49	0.13	0.5
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD12	15	0.49	0.13	0.5
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	15	0.49	0.16	0.52
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	15	0.49	0.16	0.52
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	15	0.49	0.12	0.45
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD13	15	0.49	0.12	0.45
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD11	15	0.49	0.12	0.45
(1,2822)	1:14:B:LEU:HB3	1:12:B:ILE:HD13	15	0.49	0.12	0.45
(1,2822)	1:14:B:LEU:HB3	1:12:B:ILE:HD12	15	0.49	0.12	0.45
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	15	0.48	0.08	0.48
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	15	0.48	0.12	0.45
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD13	15	0.48	0.12	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD11	15	0.48	0.12	0.45
(1,2821)	1:14:A:LEU:HB3	1:12:A:ILE:HD13	15	0.48	0.12	0.45
(1,2821)	1:14:A:LEU:HB3	1:12:A:ILE:HD12	15	0.48	0.12	0.45
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	15	0.48	0.09	0.47
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD22	15	0.48	0.09	0.47
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD23	15	0.48	0.09	0.47
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	15	0.48	0.08	0.49
(2,4735)	1:12:A:ILE:HG23	1:59:B:GLU:HB3	15	0.48	0.08	0.49
(2,4735)	1:12:A:ILE:HG22	1:59:B:GLU:HB3	15	0.48	0.08	0.49
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	15	0.48	0.09	0.49
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	15	0.48	0.17	0.43
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	15	0.48	0.17	0.43
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	15	0.48	0.17	0.43
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	15	0.48	0.09	0.47
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD22	15	0.48	0.09	0.47
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD23	15	0.48	0.09	0.47
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	15	0.48	0.16	0.45
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	15	0.48	0.16	0.45
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	15	0.48	0.16	0.45
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	15	0.48	0.09	0.5
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	15	0.48	0.09	0.48
(2,4736)	1:12:B:ILE:HG23	1:59:A:GLU:HB3	15	0.48	0.09	0.48
(2,4736)	1:12:B:ILE:HG22	1:59:A:GLU:HB3	15	0.48	0.09	0.48
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	15	0.48	0.05	0.49
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	15	0.48	0.07	0.47
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	15	0.48	0.07	0.47
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD23	15	0.48	0.07	0.47
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	15	0.48	0.03	0.47
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	15	0.48	0.03	0.48
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD2	15	0.48	0.09	0.5
(2,4763)	1:8:A:LEU:HD22	1:64:B:TYR:HD1	15	0.48	0.09	0.5
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD2	15	0.48	0.09	0.5
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD1	15	0.48	0.09	0.5
(2,4763)	1:8:A:LEU:HD22	1:64:B:TYR:HD2	15	0.48	0.09	0.5
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD1	15	0.48	0.09	0.5
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	15	0.48	0.04	0.49
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	15	0.48	0.06	0.46
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	15	0.48	0.06	0.46
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD23	15	0.48	0.06	0.46
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD2	15	0.47	0.09	0.47
(2,4764)	1:8:B:LEU:HD22	1:64:A:TYR:HD1	15	0.47	0.09	0.47
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD2	15	0.47	0.09	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD1	15	0.47	0.09	0.47
(2,4764)	1:8:B:LEU:HD22	1:64:A:TYR:HD2	15	0.47	0.09	0.47
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD1	15	0.47	0.09	0.47
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	15	0.47	0.05	0.48
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	15	0.47	0.05	0.48
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	15	0.47	0.09	0.46
(1,2785)	1:12:A:ILE:HG21	1:57:A:ALA:H	15	0.47	0.09	0.46
(1,2785)	1:12:A:ILE:HG23	1:60:B:LEU:H	15	0.47	0.09	0.46
(1,2785)	1:12:A:ILE:HG22	1:60:B:LEU:H	15	0.47	0.09	0.46
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	15	0.47	0.13	0.46
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	15	0.47	0.1	0.51
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD11	15	0.47	0.1	0.51
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	15	0.47	0.1	0.51
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	15	0.47	0.1	0.5
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD11	15	0.47	0.1	0.5
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	15	0.47	0.1	0.5
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	15	0.47	0.14	0.44
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD13	15	0.47	0.16	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD22	15	0.47	0.16	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD23	15	0.47	0.16	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD21	15	0.47	0.16	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD12	15	0.47	0.16	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD11	15	0.47	0.16	0.55
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	15	0.47	0.09	0.47
(1,2786)	1:12:B:ILE:HG21	1:57:B:ALA:H	15	0.47	0.09	0.47
(1,2786)	1:12:B:ILE:HG23	1:60:A:LEU:H	15	0.47	0.09	0.47
(1,2786)	1:12:B:ILE:HG22	1:60:A:LEU:H	15	0.47	0.09	0.47
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD13	15	0.47	0.17	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD22	15	0.47	0.17	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD23	15	0.47	0.17	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD21	15	0.47	0.17	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD12	15	0.47	0.17	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD11	15	0.47	0.17	0.55
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD1	15	0.46	0.14	0.48
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD2	15	0.46	0.14	0.48
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD2	15	0.46	0.14	0.48
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD1	15	0.46	0.14	0.48
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD2	15	0.46	0.14	0.48
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD1	15	0.46	0.14	0.48
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD1	15	0.46	0.14	0.48
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD2	15	0.46	0.14	0.48
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD2	15	0.46	0.14	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD1	15	0.46	0.14	0.48
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD2	15	0.46	0.14	0.48
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD1	15	0.46	0.14	0.48
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	15	0.46	0.23	0.37
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	15	0.46	0.23	0.37
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD23	15	0.46	0.23	0.37
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	15	0.46	0.23	0.37
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	15	0.46	0.23	0.37
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD23	15	0.46	0.23	0.37
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	15	0.46	0.11	0.44
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG21	15	0.46	0.11	0.44
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG22	15	0.46	0.11	0.44
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE2	15	0.46	0.08	0.44
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE1	15	0.46	0.08	0.44
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE2	15	0.46	0.08	0.44
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE1	15	0.46	0.08	0.44
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE2	15	0.46	0.08	0.44
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE1	15	0.46	0.08	0.44
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	15	0.45	0.12	0.47
(1,3017)	1:32:A:PHE:HD2	1:33:A:LYS:HG3	15	0.45	0.12	0.47
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	15	0.45	0.12	0.47
(1,3017)	1:32:A:PHE:HD1	1:33:A:LYS:HG3	15	0.45	0.12	0.47
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	15	0.45	0.12	0.47
(1,3018)	1:32:B:PHE:HD2	1:33:B:LYS:HG3	15	0.45	0.12	0.47
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	15	0.45	0.12	0.47
(1,3018)	1:32:B:PHE:HD1	1:33:B:LYS:HG3	15	0.45	0.12	0.47
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	15	0.45	0.11	0.43
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG21	15	0.45	0.11	0.43
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG22	15	0.45	0.11	0.43
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE2	15	0.45	0.09	0.43
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE1	15	0.45	0.09	0.43
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE2	15	0.45	0.09	0.43
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE1	15	0.45	0.09	0.43
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE2	15	0.45	0.09	0.43
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE1	15	0.45	0.09	0.43
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	15	0.45	0.0	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	15	0.45	0.0	0.45
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	15	0.45	0.04	0.46
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB3	15	0.45	0.04	0.46
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB1	15	0.45	0.04	0.46
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	15	0.45	0.04	0.46
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB3	15	0.45	0.04	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB1	15	0.45	0.04	0.46
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	15	0.45	0.1	0.43
(2,4741)	1:12:A:ILE:HG23	1:60:B:LEU:H	15	0.45	0.1	0.43
(2,4741)	1:12:A:ILE:HG22	1:60:B:LEU:H	15	0.45	0.1	0.43
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	15	0.45	0.01	0.45
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	15	0.45	0.04	0.44
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	15	0.45	0.04	0.44
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD1	15	0.45	0.17	0.44
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD2	15	0.45	0.17	0.44
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD2	15	0.45	0.17	0.44
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD1	15	0.45	0.17	0.44
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD2	15	0.45	0.17	0.44
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD1	15	0.45	0.17	0.44
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD1	15	0.45	0.17	0.45
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD2	15	0.45	0.17	0.45
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD2	15	0.45	0.17	0.45
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD1	15	0.45	0.17	0.45
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD2	15	0.45	0.17	0.45
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD1	15	0.45	0.17	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	15	0.45	0.0	0.45
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	15	0.45	0.15	0.41
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	15	0.45	0.15	0.41
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG21	15	0.45	0.15	0.41
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	15	0.44	0.15	0.41
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	15	0.44	0.15	0.41
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG21	15	0.44	0.15	0.41
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	15	0.44	0.1	0.44
(2,4742)	1:12:B:ILE:HG23	1:60:A:LEU:H	15	0.44	0.1	0.44
(2,4742)	1:12:B:ILE:HG22	1:60:A:LEU:H	15	0.44	0.1	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	15	0.44	0.01	0.44
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	15	0.43	0.13	0.49
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	15	0.43	0.13	0.49
(1,2721)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	15	0.43	0.13	0.49
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	15	0.43	0.01	0.44
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD22	15	0.43	0.06	0.43
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	15	0.43	0.06	0.43
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD21	15	0.43	0.06	0.43
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	15	0.43	0.13	0.49
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	15	0.43	0.13	0.49
(1,2722)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	15	0.43	0.13	0.49
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD22	15	0.43	0.06	0.43
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	15	0.43	0.06	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD21	15	0.43	0.06	0.43
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	15	0.43	0.02	0.43
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	15	0.43	0.02	0.43
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	15	0.43	0.02	0.43
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	15	0.43	0.02	0.43
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	15	0.43	0.05	0.44
(1,607)	1:56:A:THR:H	1:56:B:THR:HG23	15	0.43	0.05	0.44
(1,607)	1:56:A:THR:H	1:53:B:LYS:HG2	15	0.43	0.05	0.44
(1,607)	1:56:A:THR:H	1:56:B:THR:HG21	15	0.43	0.05	0.44
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	15	0.43	0.21	0.34
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	15	0.43	0.07	0.43
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	15	0.43	0.07	0.43
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD11	15	0.43	0.07	0.43
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	15	0.43	0.21	0.34
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD11	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD11	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD12	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD13	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD13	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD12	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB3	1:54:B:LEU:HD13	15	0.43	0.09	0.43
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD12	15	0.43	0.09	0.43
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	15	0.43	0.05	0.44
(1,608)	1:56:B:THR:H	1:56:A:THR:HG23	15	0.43	0.05	0.44
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	15	0.43	0.05	0.44
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD11	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD11	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD12	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD13	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD13	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD12	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB3	1:54:A:LEU:HD13	15	0.43	0.08	0.43
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD12	15	0.43	0.08	0.43
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	15	0.43	0.05	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB2	15	0.43	0.05	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB3	15	0.43	0.05	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	15	0.42	0.05	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB2	15	0.42	0.05	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB3	15	0.42	0.05	0.45
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	15	0.42	0.05	0.41
(2,4846)	1:57:B:ALA:HB3	1:56:A:THR:HB	15	0.42	0.05	0.41
(2,4846)	1:57:B:ALA:HB1	1:56:A:THR:HB	15	0.42	0.05	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	15	0.42	0.07	0.42
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	15	0.42	0.07	0.42
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD11	15	0.42	0.07	0.42
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	15	0.42	0.05	0.4
(2,4845)	1:57:A:ALA:HB3	1:56:B:THR:HB	15	0.42	0.05	0.4
(2,4845)	1:57:A:ALA:HB1	1:56:B:THR:HB	15	0.42	0.05	0.4
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	15	0.42	0.07	0.43
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HB3	15	0.42	0.07	0.43
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	15	0.42	0.01	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	15	0.42	0.01	0.42
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	15	0.42	0.07	0.43
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HB3	15	0.42	0.07	0.43
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	15	0.42	0.14	0.46
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	15	0.42	0.14	0.46
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	15	0.42	0.3	0.33
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	15	0.42	0.29	0.33
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	15	0.42	0.12	0.37
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	15	0.42	0.11	0.37
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	15	0.42	0.06	0.42
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD13	15	0.42	0.06	0.42
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	15	0.42	0.06	0.42
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	15	0.41	0.16	0.4
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD12	15	0.41	0.16	0.4
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	15	0.41	0.16	0.4
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	15	0.41	0.09	0.43
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB1	15	0.41	0.09	0.43
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB2	15	0.41	0.09	0.43
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	15	0.41	0.06	0.42
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD13	15	0.41	0.06	0.42
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	15	0.41	0.06	0.42
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	15	0.41	0.13	0.39
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	15	0.41	0.13	0.39
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	15	0.41	0.16	0.39
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD12	15	0.41	0.16	0.39
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	15	0.41	0.16	0.39
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	15	0.41	0.03	0.42
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	15	0.41	0.14	0.41
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	15	0.41	0.14	0.41
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG23	15	0.41	0.14	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD22	15	0.41	0.03	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	15	0.41	0.03	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD23	15	0.41	0.03	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	15	0.41	0.07	0.39
(1,2783)	1:12:A:ILE:HG23	1:61:B:LEU:H	15	0.41	0.07	0.39
(1,2783)	1:12:A:ILE:HG22	1:61:B:LEU:H	15	0.41	0.07	0.39
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	15	0.41	0.03	0.42
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD22	15	0.41	0.02	0.41
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	15	0.41	0.02	0.41
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD23	15	0.41	0.02	0.41
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	15	0.41	0.14	0.41
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	15	0.41	0.14	0.41
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG23	15	0.41	0.14	0.41
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	15	0.41	0.08	0.4
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB1	15	0.41	0.08	0.4
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB2	15	0.41	0.08	0.4
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	15	0.41	0.14	0.41
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	15	0.41	0.14	0.41
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	15	0.41	0.08	0.37
(1,2784)	1:12:B:ILE:HG23	1:61:A:LEU:H	15	0.41	0.08	0.37
(1,2784)	1:12:B:ILE:HG22	1:61:A:LEU:H	15	0.41	0.08	0.37
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	15	0.41	0.06	0.44
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	15	0.41	0.06	0.44
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	15	0.4	0.06	0.43
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	15	0.4	0.06	0.43
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	15	0.4	0.02	0.4
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	15	0.4	0.02	0.4
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD11	15	0.4	0.02	0.4
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	15	0.4	0.1	0.41
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD11	15	0.4	0.1	0.41
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	15	0.4	0.1	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	15	0.4	0.02	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	15	0.4	0.02	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD11	15	0.4	0.02	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	15	0.4	0.1	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD11	15	0.4	0.1	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	15	0.4	0.1	0.41
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	15	0.4	0.16	0.37
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD11	15	0.4	0.16	0.37
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	15	0.4	0.16	0.37
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	15	0.4	0.16	0.37
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD11	15	0.4	0.16	0.37
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	15	0.4	0.16	0.37
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	15	0.4	0.08	0.39
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD13	15	0.4	0.08	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	15	0.4	0.08	0.39
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	15	0.4	0.08	0.41
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	15	0.4	0.08	0.39
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD13	15	0.4	0.08	0.39
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	15	0.4	0.08	0.39
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	15	0.4	0.08	0.4
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	15	0.39	0.18	0.34
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG22	15	0.39	0.18	0.34
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG23	15	0.39	0.18	0.34
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	15	0.39	0.13	0.36
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	15	0.39	0.13	0.39
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	15	0.39	0.13	0.4
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	15	0.39	0.17	0.33
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG22	15	0.39	0.17	0.33
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG23	15	0.39	0.17	0.33
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	15	0.38	0.13	0.36
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	15	0.38	0.04	0.39
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	15	0.38	0.04	0.39
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD23	15	0.38	0.04	0.39
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	15	0.38	0.13	0.37
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD13	15	0.38	0.13	0.37
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	15	0.38	0.13	0.37
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	15	0.38	0.06	0.37
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	15	0.38	0.13	0.37
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD13	15	0.38	0.13	0.37
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	15	0.38	0.13	0.37
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	15	0.38	0.08	0.38
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	15	0.38	0.08	0.38
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB1	15	0.38	0.08	0.38
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	15	0.38	0.08	0.38
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	15	0.38	0.08	0.38
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB1	15	0.38	0.08	0.38
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	15	0.38	0.08	0.37
(1,453)	1:39:A:HIS:H	1:42:A:GLU:HB2	15	0.38	0.08	0.37
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	15	0.38	0.08	0.37
(1,454)	1:39:B:HIS:H	1:42:B:GLU:HB2	15	0.38	0.08	0.37
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	15	0.38	0.06	0.37
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	15	0.38	0.04	0.39
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	15	0.38	0.04	0.39
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD23	15	0.38	0.04	0.39
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	15	0.38	0.05	0.37
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD22	15	0.38	0.05	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD21	15	0.38	0.05	0.37
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	15	0.38	0.05	0.37
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD22	15	0.38	0.05	0.37
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD21	15	0.38	0.05	0.37
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	15	0.38	0.03	0.38
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG22	15	0.38	0.03	0.38
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG21	15	0.38	0.03	0.38
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	15	0.38	0.15	0.36
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	15	0.38	0.15	0.36
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD12	15	0.38	0.15	0.36
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	15	0.37	0.1	0.38
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	15	0.37	0.08	0.37
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	15	0.37	0.08	0.38
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	15	0.37	0.15	0.36
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	15	0.37	0.15	0.36
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD12	15	0.37	0.15	0.36
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	15	0.37	0.1	0.38
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	15	0.37	0.05	0.38
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	15	0.37	0.11	0.36
(1,2627)	1:14:A:LEU:HD11	1:47:A:ASP:HB2	15	0.37	0.11	0.36
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	15	0.37	0.11	0.36
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	15	0.37	0.03	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG22	15	0.37	0.03	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG21	15	0.37	0.03	0.37
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	15	0.37	0.05	0.39
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	15	0.37	0.11	0.36
(1,2628)	1:14:B:LEU:HD11	1:47:B:ASP:HB2	15	0.37	0.11	0.36
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	15	0.37	0.11	0.36
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	15	0.37	0.0	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	15	0.37	0.0	0.37
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	15	0.37	0.03	0.37
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	15	0.37	0.04	0.38
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	15	0.37	0.03	0.37
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	15	0.37	0.04	0.38
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	15	0.37	0.08	0.36
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	15	0.37	0.08	0.36
(1,2719)	1:52:A:ALA:HB3	1:12:B:ILE:HB	15	0.37	0.08	0.36
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	15	0.36	0.08	0.37
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	15	0.36	0.08	0.37
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG22	15	0.36	0.08	0.37
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	15	0.36	0.11	0.36
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	15	0.36	0.11	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	15	0.36	0.11	0.35
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD12	15	0.36	0.11	0.35
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	15	0.36	0.11	0.35
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	15	0.36	0.08	0.36
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	15	0.36	0.08	0.36
(1,2720)	1:52:B:ALA:HB3	1:12:A:ILE:HB	15	0.36	0.08	0.36
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	15	0.36	0.11	0.35
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD12	15	0.36	0.11	0.35
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	15	0.36	0.11	0.35
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	15	0.36	0.08	0.38
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	15	0.36	0.08	0.38
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG22	15	0.36	0.08	0.38
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	15	0.36	0.07	0.37
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	15	0.36	0.07	0.37
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	15	0.36	0.04	0.36
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	15	0.36	0.04	0.36
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	15	0.36	0.08	0.36
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	15	0.36	0.1	0.34
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	15	0.36	0.04	0.34
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	15	0.36	0.05	0.35
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	15	0.36	0.05	0.35
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB2	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	15	0.35	0.14	0.33
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB3	15	0.35	0.14	0.33
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	15	0.35	0.1	0.34
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	15	0.35	0.08	0.36
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	15	0.35	0.04	0.34
(1,2655)	1:21:A:LEU:HD22	1:9:A:LEU:HD12	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD23	1:9:A:LEU:HD11	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD12	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD13	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD22	1:9:A:LEU:HD11	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD23	1:9:A:LEU:HD12	15	0.35	0.08	0.32
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD11	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD22	1:9:B:LEU:HD12	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD23	1:9:B:LEU:HD11	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD12	15	0.35	0.08	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD13	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD22	1:9:B:LEU:HD11	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD23	1:9:B:LEU:HD12	15	0.35	0.08	0.32
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD11	15	0.35	0.08	0.32
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB2	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	15	0.35	0.13	0.32
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB3	15	0.35	0.13	0.32
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	15	0.35	0.06	0.34
(1,1982)	1:48:B:PRO:HA	1:51:B:ARG:HB3	15	0.35	0.06	0.34
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	15	0.35	0.06	0.34
(1,1981)	1:48:A:PRO:HA	1:51:A:ARG:HB3	15	0.35	0.06	0.34
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	15	0.35	0.01	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG23	15	0.35	0.01	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG22	15	0.35	0.01	0.35
(1,2675)	1:4:A:THR:HG22	1:4:A:THR:HA	15	0.35	0.01	0.35
(1,2675)	1:4:A:THR:HG23	1:4:A:THR:HA	15	0.35	0.01	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	15	0.35	0.01	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG23	15	0.35	0.01	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG22	15	0.35	0.01	0.35
(1,2676)	1:4:B:THR:HG22	1:4:B:THR:HA	15	0.35	0.01	0.35
(1,2676)	1:4:B:THR:HG23	1:4:B:THR:HA	15	0.35	0.01	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	15	0.34	0.0	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	15	0.34	0.0	0.34
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD11	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD12	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD13	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD23	1:55:A:LEU:HD12	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD23	1:55:A:LEU:HD13	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD11	15	0.34	0.06	0.36
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD12	15	0.34	0.06	0.36
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	15	0.34	0.01	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	15	0.34	0.01	0.34
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD11	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD12	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD13	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD12	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD13	15	0.34	0.06	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD11	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD11	15	0.34	0.06	0.36
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD12	15	0.34	0.06	0.36
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	15	0.34	0.1	0.37
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	15	0.34	0.15	0.33
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	15	0.34	0.15	0.33
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD11	15	0.34	0.15	0.33
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	15	0.34	0.15	0.33
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	15	0.34	0.15	0.33
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD11	15	0.34	0.15	0.33
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	15	0.34	0.1	0.37
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	15	0.34	0.01	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	15	0.34	0.01	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD12	15	0.34	0.01	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	15	0.34	0.01	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	15	0.34	0.01	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD12	15	0.34	0.01	0.34
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	15	0.34	0.08	0.35
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	15	0.34	0.08	0.35
(1,2657)	1:9:A:LEU:HD13	1:21:A:LEU:HB2	15	0.34	0.08	0.35
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	15	0.34	0.08	0.36
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	15	0.34	0.08	0.36
(1,2658)	1:9:B:LEU:HD13	1:21:B:LEU:HB2	15	0.34	0.08	0.36
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	15	0.33	0.1	0.35
(2,4383)	1:5:A:LEU:HD23	1:32:A:PHE:HE1	15	0.33	0.1	0.35
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE1	15	0.33	0.1	0.35
(2,4383)	1:5:A:LEU:HD23	1:32:A:PHE:HE2	15	0.33	0.1	0.35
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE1	15	0.33	0.1	0.35
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE2	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD23	1:32:B:PHE:HE1	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE1	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD23	1:32:B:PHE:HE2	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE1	15	0.33	0.1	0.35
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE2	15	0.33	0.1	0.35
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD23	15	0.33	0.08	0.36
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	15	0.33	0.08	0.36
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	15	0.33	0.08	0.36
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD23	15	0.33	0.08	0.36
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	15	0.33	0.08	0.36
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	15	0.33	0.08	0.36
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	15	0.33	0.08	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG21	15	0.33	0.08	0.35
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG23	15	0.33	0.08	0.35
(1,65)	1:3:A:LYS:H	1:2:A:PRO:HB3	15	0.32	0.04	0.33
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	15	0.32	0.04	0.33
(1,66)	1:3:B:LYS:H	1:2:B:PRO:HB3	15	0.32	0.04	0.33
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	15	0.32	0.04	0.33
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	15	0.32	0.08	0.34
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG21	15	0.32	0.08	0.34
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG23	15	0.32	0.08	0.34
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD21	15	0.32	0.12	0.33
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	15	0.32	0.12	0.33
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	15	0.32	0.12	0.33
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	15	0.32	0.05	0.32
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD21	15	0.32	0.12	0.33
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	15	0.32	0.12	0.33
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	15	0.32	0.12	0.33
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	15	0.32	0.05	0.32
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	15	0.32	0.12	0.27
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD11	15	0.32	0.12	0.27
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	15	0.32	0.12	0.27
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	15	0.32	0.07	0.33
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	15	0.32	0.07	0.33
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	15	0.32	0.07	0.32
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	15	0.32	0.07	0.32
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	15	0.32	0.04	0.32
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	15	0.32	0.04	0.32
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	15	0.32	0.11	0.27
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD11	15	0.32	0.11	0.27
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	15	0.32	0.11	0.27
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	15	0.31	0.09	0.29
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	15	0.31	0.09	0.29
(1,2256)	1:54:B:LEU:HD12	1:45:B:ILE:HB	15	0.31	0.09	0.29
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	15	0.31	0.09	0.29
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	15	0.31	0.09	0.29
(1,2255)	1:54:A:LEU:HD12	1:45:A:ILE:HB	15	0.31	0.09	0.29
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	15	0.31	0.01	0.31
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	15	0.31	0.03	0.3
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	15	0.31	0.05	0.31
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	15	0.31	0.05	0.31
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	15	0.31	0.07	0.33
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	15	0.31	0.08	0.33
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	15	0.31	0.07	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	15	0.31	0.03	0.3
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	15	0.31	0.01	0.31
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	15	0.31	0.07	0.32
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	15	0.31	0.0	0.31
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	15	0.3	0.07	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	15	0.3	0.0	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	15	0.3	0.01	0.3
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	15	0.3	0.07	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	15	0.3	0.01	0.3
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	15	0.3	0.07	0.28
(1,3107)	1:53:A:LYS:HE3	1:56:B:THR:HB	15	0.3	0.07	0.28
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	15	0.3	0.07	0.27
(1,3108)	1:53:B:LYS:HE3	1:56:A:THR:HB	15	0.3	0.07	0.27
(1,2710)	1:38:B:THR:HA	1:38:B:THR:HG21	15	0.29	0.01	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG23	15	0.29	0.01	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	15	0.29	0.01	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG21	15	0.29	0.01	0.3
(1,2709)	1:38:A:THR:HA	1:38:A:THR:HG21	15	0.29	0.01	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG23	15	0.29	0.01	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	15	0.29	0.01	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG21	15	0.29	0.01	0.29
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	15	0.29	0.06	0.29
(2,3552)	1:8:B:LEU:HD13	1:8:B:LEU:HA	15	0.29	0.06	0.29
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	15	0.29	0.06	0.29
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	15	0.29	0.06	0.29
(2,3551)	1:8:A:LEU:HD13	1:8:A:LEU:HA	15	0.29	0.06	0.29
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	15	0.29	0.06	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	15	0.29	0.0	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	15	0.29	0.0	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	15	0.29	0.0	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	15	0.29	0.0	0.29
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD22	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD23	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD21	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD23	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD21	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD22	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD23	15	0.29	0.05	0.3
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD22	15	0.29	0.05	0.3
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD22	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD23	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD21	15	0.28	0.04	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD23	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD21	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD22	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD23	15	0.28	0.04	0.29
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD22	15	0.28	0.04	0.29
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	15	0.28	0.0	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	15	0.28	0.0	0.28
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	15	0.28	0.04	0.29
(1,502)	1:44:B:ASN:H	1:46:B:MET:HG2	15	0.28	0.04	0.29
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	15	0.28	0.03	0.29
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB1	15	0.28	0.03	0.29
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB2	15	0.28	0.03	0.29
(1,2723)	1:49:A:GLN:HA	1:52:A:ALA:HB3	15	0.28	0.03	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	15	0.28	0.03	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB1	15	0.28	0.03	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB2	15	0.28	0.03	0.29
(1,2724)	1:49:B:GLN:HA	1:52:B:ALA:HB3	15	0.28	0.03	0.29
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	15	0.28	0.09	0.25
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG21	15	0.28	0.09	0.25
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG22	15	0.28	0.09	0.25
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	15	0.28	0.04	0.29
(1,501)	1:44:A:ASN:H	1:46:A:MET:HG2	15	0.28	0.04	0.29
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	15	0.28	0.09	0.25
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG21	15	0.28	0.09	0.25
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG22	15	0.28	0.09	0.25
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD13	15	0.26	0.08	0.25
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD13	15	0.26	0.08	0.25
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD12	15	0.26	0.08	0.25
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD12	15	0.26	0.08	0.25
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD11	15	0.26	0.08	0.25
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD11	15	0.26	0.08	0.25
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	15	0.26	0.02	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	15	0.26	0.02	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD12	15	0.26	0.02	0.27
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	15	0.26	0.02	0.26
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	15	0.26	0.02	0.26
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD12	15	0.26	0.02	0.26
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	15	0.26	0.06	0.27
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB3	15	0.26	0.06	0.27
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	15	0.26	0.06	0.27
(1,148)	1:9:B:LEU:H	1:2:B:PRO:HB3	15	0.26	0.06	0.27
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	15	0.26	0.06	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB3	15	0.26	0.06	0.26
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	15	0.26	0.06	0.26
(1,147)	1:9:A:LEU:H	1:2:A:PRO:HB3	15	0.26	0.06	0.26
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD13	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD13	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD11	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD12	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD11	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD12	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD11	15	0.26	0.02	0.26
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD13	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD13	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD13	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD11	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD12	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD11	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD12	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD11	15	0.26	0.02	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD13	15	0.26	0.02	0.26
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD13	15	0.26	0.09	0.24
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD13	15	0.26	0.09	0.24
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD12	15	0.26	0.09	0.24
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD12	15	0.26	0.09	0.24
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD11	15	0.26	0.09	0.24
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD11	15	0.26	0.09	0.24
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD2	15	0.25	0.1	0.29
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD1	15	0.25	0.1	0.29
(1,2948)	1:60:B:LEU:HD22	1:64:B:TYR:HD2	15	0.25	0.1	0.29
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD2	15	0.25	0.1	0.29
(1,2948)	1:60:B:LEU:HD22	1:64:B:TYR:HD1	15	0.25	0.1	0.29
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD1	15	0.25	0.1	0.29
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	15	0.25	0.09	0.21
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD2	15	0.25	0.1	0.29
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD1	15	0.25	0.1	0.29
(1,2947)	1:60:A:LEU:HD22	1:64:A:TYR:HD2	15	0.25	0.1	0.29
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD2	15	0.25	0.1	0.29
(1,2947)	1:60:A:LEU:HD22	1:64:A:TYR:HD1	15	0.25	0.1	0.29
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD1	15	0.25	0.1	0.29
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	15	0.25	0.09	0.21
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	15	0.25	0.02	0.26
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	15	0.25	0.02	0.25
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	15	0.25	0.02	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	15	0.25	0.02	0.25
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	15	0.24	0.01	0.24
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	15	0.24	0.01	0.24
(2,3927)	1:55:A:LEU:HD12	1:55:A:LEU:HG	15	0.24	0.01	0.24
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	15	0.24	0.01	0.24
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	15	0.24	0.01	0.24
(2,3928)	1:55:B:LEU:HD12	1:55:B:LEU:HG	15	0.24	0.01	0.24
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	15	0.24	0.09	0.21
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD22	15	0.24	0.09	0.21
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD21	15	0.24	0.09	0.21
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	15	0.24	0.03	0.24
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	15	0.24	0.09	0.21
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD22	15	0.24	0.09	0.21
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD21	15	0.24	0.09	0.21
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	15	0.24	0.09	0.22
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	15	0.24	0.01	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	15	0.24	0.01	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD12	15	0.24	0.01	0.24
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	15	0.24	0.03	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	15	0.24	0.01	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	15	0.24	0.01	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD12	15	0.24	0.01	0.24
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	15	0.24	0.09	0.22
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	15	0.23	0.06	0.24
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	15	0.23	0.06	0.24
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	15	0.23	0.06	0.25
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	15	0.23	0.06	0.25
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	15	0.22	0.03	0.22
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB2	15	0.22	0.03	0.22
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB3	15	0.22	0.03	0.22
(1,2773)	1:58:A:ALA:H	1:57:A:ALA:HB1	15	0.22	0.03	0.22
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	15	0.22	0.03	0.22
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB2	15	0.22	0.03	0.22
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB3	15	0.22	0.03	0.22
(1,2774)	1:58:B:ALA:H	1:57:B:ALA:HB1	15	0.22	0.03	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	15	0.22	0.01	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	15	0.22	0.01	0.22
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	15	0.22	0.04	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	15	0.22	0.02	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	15	0.22	0.02	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB2	15	0.22	0.02	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	15	0.22	0.02	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	15	0.22	0.02	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB2	15	0.22	0.02	0.23
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	15	0.22	0.04	0.23
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	15	0.21	0.02	0.22
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	15	0.21	0.02	0.22
(1,2433)	1:55:A:LEU:HD21	1:55:A:LEU:HG	15	0.21	0.02	0.22
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	15	0.21	0.02	0.22
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	15	0.21	0.02	0.22
(1,2434)	1:55:B:LEU:HD21	1:55:B:LEU:HG	15	0.21	0.02	0.22
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	15	0.21	0.05	0.21
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	15	0.21	0.04	0.21
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	15	0.21	0.02	0.2
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB3	15	0.21	0.02	0.2
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB1	15	0.21	0.02	0.2
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	15	0.21	0.02	0.2
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB3	15	0.21	0.02	0.2
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB1	15	0.21	0.02	0.2
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	15	0.21	0.01	0.21
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD22	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD23	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD22	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD23	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD21	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD22	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD21	15	0.21	0.01	0.21
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD21	15	0.21	0.01	0.21
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	15	0.21	0.03	0.21
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD11	15	0.21	0.03	0.21
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	15	0.21	0.03	0.21
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	15	0.21	0.01	0.2
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	15	0.21	0.03	0.21
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD11	15	0.21	0.03	0.21
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	15	0.21	0.03	0.21
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	15	0.21	0.01	0.2
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	15	0.2	0.03	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	15	0.2	0.03	0.2
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD12	15	0.2	0.03	0.2
(1,575)	1:54:A:LEU:H	1:12:A:ILE:HD13	15	0.2	0.03	0.2
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	15	0.2	0.03	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	15	0.2	0.03	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD12	15	0.2	0.03	0.19
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	15	0.2	0.08	0.2
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	15	0.2	0.03	0.2
(1,3079)	1:56:A:THR:HG22	1:57:B:ALA:HA	15	0.2	0.03	0.2
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	15	0.2	0.03	0.2
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	15	0.2	0.05	0.2
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	15	0.2	0.05	0.2
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD11	15	0.2	0.05	0.2
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	15	0.2	0.04	0.2
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	15	0.2	0.04	0.2
(2,3381)	1:54:A:LEU:HD12	1:55:A:LEU:H	15	0.2	0.04	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	15	0.2	0.0	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	15	0.2	0.0	0.2
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	15	0.2	0.05	0.19
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	15	0.2	0.05	0.19
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD11	15	0.2	0.05	0.19
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	15	0.2	0.04	0.2
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	15	0.2	0.04	0.2
(2,3382)	1:54:B:LEU:HD12	1:55:B:LEU:H	15	0.2	0.04	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	15	0.2	0.0	0.2
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	15	0.2	0.0	0.2
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	15	0.2	0.03	0.19
(1,3080)	1:56:B:THR:HG22	1:57:A:ALA:HA	15	0.2	0.03	0.19
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	15	0.2	0.03	0.19
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	15	0.19	0.02	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	15	0.19	0.02	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG23	15	0.19	0.02	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	15	0.19	0.01	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	15	0.19	0.01	0.2
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	15	0.19	0.02	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	15	0.19	0.02	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG23	15	0.19	0.02	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	15	0.19	0.02	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG21	15	0.19	0.02	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	15	0.19	0.02	0.19
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	15	0.19	0.02	0.19
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG21	15	0.19	0.02	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	15	0.19	0.02	0.19
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	15	0.19	0.04	0.2
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	15	0.19	0.04	0.2
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	15	0.19	0.01	0.19
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	15	0.19	0.01	0.19
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	15	0.19	0.03	0.2
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	15	0.19	0.03	0.2
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	15	0.19	0.07	0.16
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	15	0.18	0.03	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	15	0.18	0.01	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	15	0.18	0.01	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	15	0.18	0.01	0.18
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	15	0.18	0.02	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	15	0.18	0.01	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	15	0.18	0.01	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	15	0.18	0.01	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	15	0.18	0.01	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG23	15	0.18	0.01	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG22	15	0.18	0.01	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	15	0.18	0.01	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG23	15	0.18	0.01	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG22	15	0.18	0.01	0.18
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	15	0.18	0.05	0.17
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD11	15	0.18	0.05	0.17
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	15	0.18	0.05	0.17
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	15	0.18	0.05	0.17
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD11	15	0.18	0.05	0.17
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	15	0.18	0.05	0.17
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	15	0.17	0.03	0.17
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	15	0.17	0.01	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	15	0.17	0.01	0.17
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	15	0.17	0.03	0.17
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	15	0.17	0.03	0.16
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	15	0.17	0.03	0.16
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	15	0.17	0.03	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	15	0.17	0.02	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	15	0.17	0.02	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	15	0.17	0.02	0.16
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	15	0.16	0.02	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	15	0.16	0.02	0.17
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	15	0.15	0.02	0.15
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	15	0.15	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	15	0.15	0.0	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	15	0.15	0.0	0.15
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD23	15	0.14	0.0	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD22	15	0.14	0.0	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	15	0.14	0.0	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD23	15	0.14	0.01	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD22	15	0.14	0.01	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	15	0.14	0.01	0.14
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	15	0.13	0.0	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	15	0.13	0.0	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	15	0.13	0.0	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	15	0.12	0.0	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	15	0.12	0.0	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	15	0.12	0.0	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	15	0.12	0.0	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	15	0.12	0.0	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	15	0.11	0.01	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	15	0.11	0.01	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	15	0.11	0.01	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	15	0.11	0.01	0.11
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	14	1.37	0.59	1.48
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD13	14	1.37	0.59	1.48
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	14	1.37	0.59	1.48
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	14	1.37	0.6	1.48
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD13	14	1.37	0.6	1.48
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	14	1.37	0.6	1.48
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	14	1.33	0.65	1.55
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	14	1.33	0.65	1.56
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD13	14	1.29	0.35	1.27
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD11	14	1.29	0.35	1.27
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	14	1.29	0.35	1.27
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD13	14	1.29	0.35	1.27
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD11	14	1.29	0.35	1.27
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	14	1.29	0.35	1.27
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	14	1.0	0.16	1.04
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	14	1.0	0.16	1.04
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	14	0.97	0.47	1.04
(2,4832)	1:62:B:LEU:HD21	1:11:A:ARG:HA	14	0.97	0.47	1.04
(2,4832)	1:62:B:LEU:HD23	1:11:A:ARG:HA	14	0.97	0.47	1.04
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	14	0.96	0.48	1.04
(2,4831)	1:62:A:LEU:HD21	1:11:B:ARG:HA	14	0.96	0.48	1.04
(2,4831)	1:62:A:LEU:HD23	1:11:B:ARG:HA	14	0.96	0.48	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	14	0.92	0.5	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	14	0.92	0.5	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD21	14	0.92	0.5	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	14	0.92	0.5	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	14	0.92	0.5	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD21	14	0.92	0.5	1.24
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	14	0.91	0.2	0.93
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	14	0.9	0.2	0.93
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	14	0.77	0.17	0.88
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	14	0.77	0.17	0.88
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	14	0.77	0.17	0.88
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	14	0.77	0.17	0.88
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	14	0.77	0.02	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	14	0.76	0.02	0.77
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	14	0.73	0.16	0.72
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD11	14	0.73	0.16	0.72
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	14	0.73	0.16	0.72
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	14	0.73	0.16	0.72
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD11	14	0.73	0.16	0.72
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	14	0.73	0.16	0.72
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	14	0.7	0.08	0.73
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	14	0.7	0.08	0.73
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	14	0.69	0.29	0.58
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	14	0.69	0.29	0.58
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD11	14	0.69	0.23	0.69
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD13	14	0.69	0.23	0.69
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD22	14	0.69	0.23	0.69
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD21	14	0.69	0.23	0.69
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD12	14	0.69	0.23	0.69
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD23	14	0.69	0.23	0.69
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	14	0.69	0.29	0.59
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	14	0.69	0.29	0.59
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD11	14	0.69	0.23	0.68
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD13	14	0.69	0.23	0.68
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD22	14	0.69	0.23	0.68
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD21	14	0.69	0.23	0.68
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD12	14	0.69	0.23	0.68
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD23	14	0.69	0.23	0.68
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	14	0.68	0.22	0.66
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG23	14	0.68	0.22	0.66
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG22	14	0.68	0.22	0.66
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	14	0.68	0.22	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG23	14	0.68	0.22	0.66
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG22	14	0.68	0.22	0.66
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	14	0.64	0.12	0.64
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG23	14	0.64	0.12	0.64
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG22	14	0.64	0.12	0.64
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	14	0.64	0.12	0.63
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG23	14	0.64	0.12	0.63
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG22	14	0.64	0.12	0.63
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	14	0.61	0.17	0.7
(1,975)	1:19:A:SER:HB2	1:22:A:LEU:HB2	14	0.61	0.17	0.7
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	14	0.6	0.17	0.69
(1,976)	1:19:B:SER:HB2	1:22:B:LEU:HB2	14	0.6	0.17	0.69
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD22	14	0.58	0.13	0.61
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	14	0.58	0.13	0.61
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD21	14	0.58	0.13	0.61
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD22	14	0.58	0.13	0.6
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	14	0.58	0.13	0.6
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD21	14	0.58	0.13	0.6
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD13	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD13	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD12	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD12	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD11	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD13	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD11	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD11	14	0.58	0.13	0.54
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD12	14	0.58	0.13	0.54
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD13	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD13	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD12	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD12	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD11	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD13	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD11	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD11	14	0.58	0.13	0.55
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD12	14	0.58	0.13	0.55
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	14	0.57	0.26	0.48
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	14	0.57	0.26	0.48
(1,2350)	1:60:B:LEU:HD22	1:64:B:TYR:HE2	14	0.55	0.2	0.57
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	14	0.55	0.2	0.57
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE1	14	0.55	0.2	0.57
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE2	14	0.55	0.2	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE2	14	0.55	0.2	0.57
(1,2349)	1:60:A:LEU:HD22	1:64:A:TYR:HE2	14	0.55	0.2	0.57
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	14	0.55	0.2	0.57
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE1	14	0.55	0.2	0.57
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE2	14	0.55	0.2	0.57
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE2	14	0.55	0.2	0.57
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	14	0.53	0.2	0.5
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG21	14	0.53	0.2	0.5
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG23	14	0.53	0.2	0.5
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB3	14	0.53	0.19	0.52
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	14	0.53	0.19	0.52
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	14	0.53	0.19	0.52
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	14	0.53	0.19	0.5
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG21	14	0.53	0.19	0.5
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG23	14	0.53	0.19	0.5
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB3	14	0.53	0.19	0.52
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	14	0.53	0.19	0.52
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	14	0.53	0.19	0.52
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	14	0.53	0.19	0.48
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	14	0.53	0.19	0.48
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD13	14	0.53	0.19	0.48
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	14	0.53	0.19	0.48
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	14	0.53	0.19	0.48
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD13	14	0.53	0.19	0.48
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	14	0.52	0.29	0.55
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD11	14	0.52	0.29	0.55
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD13	14	0.52	0.29	0.55
(1,1007)	1:32:A:PHE:HA	1:5:A:LEU:HD13	14	0.52	0.29	0.55
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	14	0.52	0.16	0.52
(1,1957)	1:50:A:HIS:HB3	1:40:A:LEU:HG	14	0.52	0.16	0.52
(1,1957)	1:50:A:HIS:HB3	1:51:A:ARG:HB2	14	0.52	0.16	0.52
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	14	0.52	0.16	0.52
(1,1958)	1:50:B:HIS:HB3	1:40:B:LEU:HG	14	0.52	0.16	0.52
(1,1958)	1:50:B:HIS:HB3	1:51:B:ARG:HB2	14	0.52	0.16	0.52
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	14	0.52	0.29	0.55
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD11	14	0.52	0.29	0.55
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD13	14	0.52	0.29	0.55
(1,1008)	1:32:B:PHE:HA	1:5:B:LEU:HD13	14	0.52	0.29	0.55
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	14	0.5	0.17	0.55
(1,688)	1:61:B:LEU:H	1:64:A:TYR:HB3	14	0.5	0.17	0.55
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG23	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG21	14	0.5	0.13	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG23	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG22	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG23	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG22	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG22	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG21	14	0.5	0.13	0.46
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG21	14	0.5	0.13	0.46
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	14	0.5	0.17	0.55
(1,687)	1:61:A:LEU:H	1:64:B:TYR:HB3	14	0.5	0.17	0.55
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG23	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG21	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG23	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG22	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG23	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG22	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG22	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG21	14	0.5	0.12	0.47
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG21	14	0.5	0.12	0.47
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	14	0.49	0.2	0.46
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD12	14	0.49	0.2	0.46
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	14	0.49	0.2	0.46
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	14	0.49	0.21	0.44
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD12	14	0.49	0.21	0.44
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	14	0.49	0.21	0.44
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	14	0.49	0.01	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	14	0.49	0.01	0.49
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	14	0.49	0.16	0.46
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	14	0.49	0.16	0.46
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	14	0.47	0.21	0.53
(1,352)	1:30:B:GLU:H	1:31:B:ASP:HB3	14	0.47	0.21	0.53
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	14	0.47	0.38	0.24
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	14	0.47	0.38	0.24
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	14	0.47	0.21	0.52
(1,351)	1:30:A:GLU:H	1:31:A:ASP:HB3	14	0.47	0.21	0.52
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	14	0.47	0.38	0.24
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	14	0.47	0.38	0.24
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	14	0.47	0.18	0.52
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD11	14	0.47	0.18	0.52
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	14	0.47	0.18	0.52
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	14	0.46	0.17	0.52
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD11	14	0.46	0.17	0.52
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	14	0.46	0.17	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	14	0.46	0.3	0.34
(1,2198)	1:14:B:LEU:HD22	1:49:B:GLN:HB2	14	0.46	0.12	0.48
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	14	0.46	0.12	0.48
(1,2198)	1:14:B:LEU:HD21	1:49:B:GLN:HB2	14	0.46	0.12	0.48
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	14	0.46	0.3	0.32
(1,2197)	1:14:A:LEU:HD22	1:49:A:GLN:HB2	14	0.46	0.12	0.48
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	14	0.46	0.12	0.48
(1,2197)	1:14:A:LEU:HD21	1:49:A:GLN:HB2	14	0.46	0.12	0.48
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	14	0.46	0.21	0.45
(2,4759)	1:8:A:LEU:HD22	1:60:B:LEU:HA	14	0.46	0.21	0.45
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	14	0.46	0.21	0.45
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	14	0.45	0.21	0.48
(2,4760)	1:8:B:LEU:HD22	1:60:A:LEU:HA	14	0.45	0.21	0.48
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	14	0.45	0.21	0.48
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	14	0.45	0.16	0.42
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD23	14	0.45	0.16	0.42
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD21	14	0.45	0.16	0.42
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB3	14	0.45	0.16	0.44
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	14	0.45	0.16	0.44
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	14	0.45	0.16	0.44
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	14	0.45	0.16	0.42
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD23	14	0.45	0.16	0.42
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD21	14	0.45	0.16	0.42
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	14	0.45	0.12	0.46
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	14	0.45	0.12	0.46
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB3	14	0.45	0.16	0.44
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	14	0.45	0.16	0.44
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	14	0.45	0.16	0.44
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	14	0.44	0.26	0.28
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	14	0.44	0.26	0.28
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	14	0.44	0.27	0.28
(1,1459)	1:11:A:ARG:HD2	1:64:B:TYR:H	14	0.44	0.27	0.28
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	14	0.41	0.2	0.38
(2,4823)	1:8:A:LEU:HD12	1:60:B:LEU:H	14	0.41	0.2	0.38
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	14	0.41	0.2	0.38
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	14	0.41	0.21	0.36
(2,4824)	1:8:B:LEU:HD12	1:60:A:LEU:H	14	0.41	0.21	0.36
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	14	0.41	0.21	0.36
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	14	0.4	0.18	0.4
(1,2541)	1:5:A:LEU:HD23	1:21:A:LEU:HB2	14	0.4	0.18	0.4
(1,2541)	1:5:A:LEU:HD21	1:21:A:LEU:HB2	14	0.4	0.18	0.4
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	14	0.4	0.19	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2542)	1:5:B:LEU:HD23	1:21:B:LEU:HB2	14	0.4	0.19	0.4
(1,2542)	1:5:B:LEU:HD21	1:21:B:LEU:HB2	14	0.4	0.19	0.4
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD11	14	0.39	0.18	0.32
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	14	0.39	0.18	0.32
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD12	14	0.39	0.18	0.32
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	14	0.39	0.1	0.37
(1,375)	1:32:A:PHE:H	1:34:A:GLU:HG2	14	0.39	0.1	0.37
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	14	0.39	0.09	0.37
(1,376)	1:32:B:PHE:H	1:34:B:GLU:HG2	14	0.39	0.09	0.37
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD11	14	0.39	0.18	0.32
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	14	0.39	0.18	0.32
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD12	14	0.39	0.18	0.32
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	14	0.39	0.13	0.4
(1,2844)	1:45:B:ILE:HD13	1:54:B:LEU:HB2	14	0.39	0.13	0.4
(1,2844)	1:45:B:ILE:HD12	1:51:B:ARG:HG3	14	0.39	0.13	0.4
(1,2844)	1:45:B:ILE:HD12	1:54:B:LEU:HB2	14	0.39	0.13	0.4
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	14	0.39	0.13	0.39
(1,2843)	1:45:A:ILE:HD13	1:54:A:LEU:HB2	14	0.39	0.13	0.39
(1,2843)	1:45:A:ILE:HD12	1:51:A:ARG:HG3	14	0.39	0.13	0.39
(1,2843)	1:45:A:ILE:HD12	1:54:A:LEU:HB2	14	0.39	0.13	0.39
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	14	0.39	0.17	0.38
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	14	0.39	0.17	0.38
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD11	14	0.39	0.17	0.38
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD12	14	0.39	0.17	0.38
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD13	14	0.39	0.17	0.38
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	14	0.39	0.17	0.38
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD11	14	0.39	0.17	0.38
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD12	14	0.39	0.17	0.38
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD11	14	0.39	0.17	0.38
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD13	14	0.39	0.17	0.38
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	14	0.38	0.17	0.32
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	14	0.38	0.17	0.32
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	14	0.38	0.17	0.32
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	14	0.38	0.17	0.32
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	14	0.38	0.31	0.25
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	14	0.37	0.31	0.25
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	14	0.36	0.07	0.36
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	14	0.36	0.07	0.36
(2,4728)	1:52:B:ALA:HB1	1:49:A:GLN:HA	14	0.36	0.07	0.36
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	14	0.35	0.07	0.36
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	14	0.35	0.07	0.36
(2,4727)	1:52:A:ALA:HB1	1:49:B:GLN:HA	14	0.35	0.07	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	14	0.35	0.04	0.34
(1,545)	1:50:A:HIS:H	1:47:A:ASP:HB2	14	0.35	0.04	0.34
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	14	0.35	0.05	0.34
(1,546)	1:50:B:HIS:H	1:47:B:ASP:HB2	14	0.35	0.05	0.34
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	14	0.32	0.13	0.28
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	14	0.32	0.13	0.32
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	14	0.32	0.14	0.32
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	14	0.32	0.22	0.2
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	14	0.32	0.13	0.26
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	14	0.32	0.07	0.32
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	14	0.32	0.07	0.34
(1,2094)	1:13:B:GLY:HA3	1:53:B:LYS:HD3	14	0.32	0.07	0.34
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	14	0.31	0.22	0.2
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	14	0.31	0.07	0.34
(1,2093)	1:13:A:GLY:HA3	1:53:A:LYS:HD3	14	0.31	0.07	0.34
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	14	0.31	0.07	0.34
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	14	0.31	0.06	0.32
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	14	0.31	0.04	0.33
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	14	0.31	0.04	0.33
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	14	0.31	0.04	0.33
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	14	0.31	0.04	0.33
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	14	0.31	0.06	0.32
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	14	0.3	0.08	0.29
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	14	0.3	0.08	0.29
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	14	0.3	0.08	0.28
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	14	0.3	0.08	0.28
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	14	0.27	0.09	0.24
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	14	0.27	0.09	0.24
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	14	0.26	0.06	0.28
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG21	14	0.26	0.06	0.28
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG23	14	0.26	0.06	0.28
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	14	0.26	0.11	0.22
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	14	0.25	0.11	0.22
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	14	0.25	0.07	0.28
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	14	0.25	0.06	0.28
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG21	14	0.25	0.06	0.28
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG23	14	0.25	0.06	0.28
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	14	0.25	0.06	0.25
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	14	0.25	0.06	0.26
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	14	0.23	0.07	0.22
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	14	0.23	0.07	0.22
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	14	0.21	0.07	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	14	0.2	0.06	0.17
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	14	0.17	0.04	0.17
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	14	0.17	0.05	0.15
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	14	0.17	0.04	0.17
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	14	0.17	0.05	0.15
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB3	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB1	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD21	1:57:B:ALA:HB3	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB2	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD21	1:57:B:ALA:HB1	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB1	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB3	14	0.16	0.04	0.16
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB2	14	0.16	0.04	0.16
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	14	0.14	0.02	0.15
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	14	0.14	0.02	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD11	14	0.14	0.02	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD13	14	0.14	0.02	0.14
(1,2847)	1:43:A:LEU:HB2	1:45:A:ILE:HD12	14	0.14	0.02	0.14
(1,2847)	1:43:A:LEU:HB2	1:45:A:ILE:HD13	14	0.14	0.02	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	14	0.14	0.02	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD11	14	0.14	0.02	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD13	14	0.14	0.02	0.14
(1,2848)	1:43:B:LEU:HB2	1:45:B:ILE:HD12	14	0.14	0.02	0.14
(1,2848)	1:43:B:LEU:HB2	1:45:B:ILE:HD13	14	0.14	0.02	0.14
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	14	0.14	0.02	0.14
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD12	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD11	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD11	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD13	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD12	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD13	14	0.13	0.02	0.13
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD12	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD12	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD11	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD11	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD13	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD12	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD13	14	0.13	0.02	0.13
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD12	14	0.13	0.02	0.13
(2,3435)	1:21:A:LEU:HD21	1:21:A:LEU:HD12	14	0.12	0.01	0.12
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD11	14	0.12	0.01	0.12
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD13	14	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD12	14	0.12	0.01	0.12
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD13	14	0.12	0.01	0.12
(2,3435)	1:21:A:LEU:HD21	1:21:A:LEU:HD13	14	0.12	0.01	0.12
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD11	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD21	1:21:B:LEU:HD12	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD11	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD13	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD12	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD13	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD21	1:21:B:LEU:HD13	14	0.12	0.01	0.12
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD11	14	0.12	0.01	0.12
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	14	0.12	0.01	0.11
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	14	0.12	0.02	0.11
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	13	2.56	0.33	2.67
(2,4749)	1:60:A:LEU:HD13	1:11:B:ARG:HG2	13	2.56	0.33	2.67
(2,4749)	1:60:A:LEU:HD12	1:11:B:ARG:HG2	13	2.56	0.33	2.67
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	13	2.56	0.33	2.67
(2,4750)	1:60:B:LEU:HD13	1:11:A:ARG:HG2	13	2.56	0.33	2.67
(2,4750)	1:60:B:LEU:HD12	1:11:A:ARG:HG2	13	2.56	0.33	2.67
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	13	1.61	0.33	1.72
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD13	13	1.61	0.33	1.72
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD12	13	1.61	0.33	1.72
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	13	1.61	0.33	1.72
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD13	13	1.61	0.33	1.72
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD12	13	1.61	0.33	1.72
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	13	1.16	0.7	1.46
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	13	1.15	0.71	1.42
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	13	0.63	0.4	0.57
(1,1430)	1:34:B:GLU:H	1:36:B:ARG:HD2	13	0.63	0.4	0.57
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	13	0.62	0.4	0.55
(1,1429)	1:34:A:GLU:H	1:36:A:ARG:HD2	13	0.62	0.4	0.55
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	13	0.57	0.17	0.52
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	13	0.57	0.18	0.52
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	13	0.48	0.15	0.5
(1,2490)	1:35:B:LEU:HD13	1:40:B:LEU:HG	13	0.48	0.15	0.5
(1,2490)	1:35:B:LEU:HD12	1:40:B:LEU:HG	13	0.48	0.15	0.5
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	13	0.48	0.15	0.5
(1,2489)	1:35:A:LEU:HD13	1:40:A:LEU:HG	13	0.48	0.15	0.5
(1,2489)	1:35:A:LEU:HD12	1:40:A:LEU:HG	13	0.48	0.15	0.5
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	13	0.43	0.17	0.42
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD13	13	0.43	0.17	0.42
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD12	13	0.43	0.17	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	13	0.43	0.17	0.43
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD13	13	0.43	0.17	0.43
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD12	13	0.43	0.17	0.43
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	13	0.4	0.17	0.38
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE1	13	0.4	0.18	0.37
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE1	13	0.4	0.18	0.37
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	13	0.4	0.18	0.37
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE2	13	0.4	0.18	0.37
(2,3554)	1:8:B:LEU:HD11	1:32:B:PHE:HE1	13	0.4	0.18	0.37
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	13	0.4	0.17	0.38
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE1	13	0.4	0.18	0.37
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	13	0.4	0.18	0.37
(2,3553)	1:8:A:LEU:HD12	1:32:A:PHE:HE1	13	0.4	0.18	0.37
(2,3553)	1:8:A:LEU:HD12	1:32:A:PHE:HE2	13	0.4	0.18	0.37
(2,3553)	1:8:A:LEU:HD11	1:32:A:PHE:HE1	13	0.4	0.18	0.37
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD23	13	0.37	0.16	0.33
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	13	0.37	0.16	0.33
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD21	13	0.37	0.16	0.33
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD23	13	0.37	0.16	0.32
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	13	0.37	0.16	0.32
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD21	13	0.37	0.16	0.32
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	13	0.36	0.11	0.38
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD12	13	0.36	0.11	0.38
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD13	13	0.36	0.11	0.38
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	13	0.36	0.11	0.38
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD12	13	0.36	0.11	0.38
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD13	13	0.36	0.11	0.38
(2,4003)	1:9:A:LEU:HD22	1:18:A:THR:HG23	13	0.35	0.18	0.29
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG22	13	0.35	0.18	0.29
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG21	13	0.35	0.18	0.29
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG23	13	0.35	0.18	0.29
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG22	13	0.35	0.18	0.29
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG23	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD22	1:18:B:THR:HG23	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG22	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG21	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG23	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG22	13	0.35	0.18	0.29
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG23	13	0.35	0.18	0.29
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	13	0.34	0.15	0.35
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	13	0.34	0.15	0.35
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	13	0.33	0.11	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	13	0.33	0.1	0.29
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	13	0.33	0.15	0.29
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	13	0.33	0.15	0.3
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	13	0.32	0.11	0.32
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	13	0.32	0.11	0.32
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	13	0.31	0.12	0.3
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	13	0.31	0.12	0.3
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD12	13	0.31	0.12	0.3
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	13	0.31	0.13	0.29
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	13	0.31	0.13	0.29
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD12	13	0.31	0.13	0.29
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	13	0.29	0.08	0.31
(1,1879)	1:22:A:LEU:H	1:27:A:GLN:HG2	13	0.29	0.08	0.31
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	13	0.29	0.08	0.32
(1,1880)	1:22:B:LEU:H	1:27:B:GLN:HG2	13	0.29	0.08	0.32
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD21	13	0.29	0.12	0.32
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	13	0.29	0.12	0.32
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	13	0.29	0.12	0.32
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD21	13	0.29	0.12	0.33
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	13	0.29	0.12	0.33
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	13	0.29	0.12	0.33
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	13	0.28	0.09	0.29
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD22	13	0.28	0.09	0.29
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD23	13	0.28	0.09	0.29
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	13	0.28	0.09	0.29
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD22	13	0.28	0.09	0.29
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD23	13	0.28	0.09	0.29
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	13	0.27	0.06	0.28
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	13	0.27	0.16	0.2
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD11	13	0.27	0.16	0.2
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD13	13	0.27	0.16	0.2
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	13	0.26	0.16	0.2
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD11	13	0.26	0.16	0.2
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD13	13	0.26	0.16	0.2
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	13	0.25	0.12	0.24
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	13	0.25	0.12	0.24
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD21	13	0.25	0.12	0.24
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	13	0.25	0.12	0.24
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	13	0.25	0.12	0.24
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD21	13	0.25	0.12	0.24
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	13	0.24	0.07	0.21
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD12	13	0.24	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD11	13	0.24	0.07	0.21
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD13	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD11	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD11	1:12:A:ILE:HD12	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD12	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD23	1:9:A:LEU:HD12	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD11	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD23	1:9:A:LEU:HD13	13	0.24	0.09	0.24
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD12	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD13	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD11	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD11	1:12:B:ILE:HD12	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD12	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD23	1:9:B:LEU:HD12	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD11	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD23	1:9:B:LEU:HD13	13	0.24	0.09	0.24
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD12	13	0.24	0.09	0.24
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	13	0.24	0.07	0.22
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	13	0.24	0.07	0.22
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	13	0.23	0.07	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD12	13	0.23	0.07	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD11	13	0.23	0.07	0.2
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	13	0.23	0.07	0.22
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	13	0.23	0.07	0.22
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	13	0.23	0.06	0.24
(1,2933)	1:14:A:LEU:HD13	1:16:A:GLU:HA	13	0.23	0.06	0.24
(1,2933)	1:14:A:LEU:HD12	1:16:A:GLU:HA	13	0.23	0.06	0.24
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	13	0.23	0.06	0.24
(1,2934)	1:14:B:LEU:HD13	1:16:B:GLU:HA	13	0.23	0.06	0.24
(1,2934)	1:14:B:LEU:HD12	1:16:B:GLU:HA	13	0.23	0.06	0.24
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	13	0.22	0.09	0.22
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG21	13	0.22	0.09	0.22
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG23	13	0.22	0.09	0.22
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	13	0.22	0.09	0.22
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG21	13	0.22	0.09	0.22
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG23	13	0.22	0.09	0.22
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	13	0.22	0.04	0.23
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	13	0.22	0.04	0.23
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	13	0.2	0.08	0.15
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD21	13	0.2	0.08	0.15
(1,2547)	1:5:A:LEU:HD23	1:9:A:LEU:H	13	0.2	0.08	0.15
(1,2547)	1:5:A:LEU:HD21	1:9:A:LEU:H	13	0.2	0.08	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	13	0.19	0.08	0.14
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD21	13	0.19	0.08	0.14
(1,2548)	1:5:B:LEU:HD23	1:9:B:LEU:H	13	0.19	0.08	0.14
(1,2548)	1:5:B:LEU:HD21	1:9:B:LEU:H	13	0.19	0.08	0.14
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	13	0.19	0.04	0.18
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	13	0.19	0.04	0.17
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	13	0.18	0.06	0.17
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	13	0.18	0.06	0.18
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	13	0.18	0.04	0.19
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	13	0.18	0.04	0.18
(2,4161)	1:12:A:ILE:HD11	1:11:A:ARG:H	13	0.17	0.05	0.17
(2,4161)	1:12:A:ILE:HD12	1:11:A:ARG:H	13	0.17	0.05	0.17
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	13	0.17	0.05	0.17
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB3	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB1	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD21	1:57:A:ALA:HB3	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB2	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD21	1:57:A:ALA:HB1	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB1	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB3	13	0.17	0.04	0.17
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB2	13	0.17	0.04	0.17
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD22	13	0.17	0.05	0.16
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD21	13	0.17	0.05	0.16
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	13	0.17	0.05	0.16
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD22	13	0.17	0.04	0.16
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD21	13	0.17	0.04	0.16
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	13	0.17	0.04	0.16
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	13	0.15	0.02	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD21	13	0.15	0.02	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD23	13	0.15	0.02	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	13	0.15	0.02	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD21	13	0.15	0.02	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD23	13	0.15	0.02	0.15
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE2	13	0.14	0.02	0.14
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	13	0.14	0.02	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	13	0.14	0.02	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	13	0.14	0.02	0.14
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB1	13	0.13	0.01	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	13	0.13	0.01	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB3	13	0.13	0.01	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB1	13	0.13	0.02	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	13	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB3	13	0.13	0.02	0.13
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD22	12	1.99	0.41	2.12
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	12	1.99	0.41	2.12
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD23	12	1.99	0.41	2.12
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD22	12	1.99	0.42	2.11
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	12	1.99	0.42	2.11
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD23	12	1.99	0.42	2.11
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	12	1.25	0.22	1.24
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG21	12	1.25	0.22	1.24
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG23	12	1.25	0.22	1.24
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	12	1.25	0.22	1.23
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG21	12	1.25	0.22	1.23
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG23	12	1.25	0.22	1.23
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	12	1.07	0.46	0.95
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	12	1.07	0.46	0.96
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	12	0.7	0.26	0.73
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	12	0.7	0.26	0.69
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	12	0.58	0.1	0.6
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	12	0.58	0.1	0.6
(1,2651)	1:55:A:LEU:HD12	1:54:A:LEU:H	12	0.55	0.12	0.58
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD12	12	0.55	0.12	0.58
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD11	12	0.55	0.12	0.58
(1,2651)	1:55:A:LEU:HD13	1:54:A:LEU:H	12	0.55	0.12	0.58
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD13	12	0.55	0.12	0.58
(1,2651)	1:55:A:LEU:HD11	1:54:A:LEU:H	12	0.55	0.12	0.58
(1,2652)	1:55:B:LEU:HD12	1:54:B:LEU:H	12	0.55	0.12	0.58
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD12	12	0.55	0.12	0.58
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD11	12	0.55	0.12	0.58
(1,2652)	1:55:B:LEU:HD13	1:54:B:LEU:H	12	0.55	0.12	0.58
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD13	12	0.55	0.12	0.58
(1,2652)	1:55:B:LEU:HD11	1:54:B:LEU:H	12	0.55	0.12	0.58
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD11	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD13	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD12	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD12	1:14:B:LEU:HD11	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD12	1:14:B:LEU:HD12	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD13	1:14:B:LEU:HD11	12	0.48	0.13	0.52
(1,2620)	1:54:B:LEU:HD13	1:14:B:LEU:HD12	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD11	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD13	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD12	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD12	1:14:A:LEU:HD11	12	0.48	0.13	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2619)	1:54:A:LEU:HD12	1:14:A:LEU:HD12	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD13	1:14:A:LEU:HD11	12	0.48	0.13	0.52
(1,2619)	1:54:A:LEU:HD13	1:14:A:LEU:HD12	12	0.48	0.13	0.52
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	12	0.44	0.17	0.44
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	12	0.44	0.17	0.44
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD22	12	0.44	0.17	0.44
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	12	0.44	0.17	0.44
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	12	0.44	0.17	0.44
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD22	12	0.44	0.17	0.44
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD23	12	0.41	0.22	0.38
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	12	0.41	0.22	0.38
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD21	12	0.41	0.22	0.38
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD23	12	0.4	0.23	0.38
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	12	0.4	0.23	0.38
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD21	12	0.4	0.23	0.38
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	12	0.38	0.22	0.39
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	12	0.38	0.22	0.39
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD21	12	0.37	0.18	0.32
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	12	0.37	0.18	0.32
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD22	12	0.37	0.18	0.32
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD21	12	0.37	0.17	0.32
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	12	0.37	0.17	0.32
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD22	12	0.37	0.17	0.32
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	12	0.35	0.13	0.39
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	12	0.35	0.08	0.34
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	12	0.35	0.08	0.33
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD11	12	0.34	0.13	0.38
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	12	0.34	0.13	0.38
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD12	12	0.34	0.13	0.38
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD11	12	0.34	0.13	0.38
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	12	0.34	0.13	0.38
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD12	12	0.34	0.13	0.38
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	12	0.33	0.14	0.34
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	12	0.33	0.14	0.34
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG23	12	0.33	0.14	0.34
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	12	0.32	0.14	0.31
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	12	0.32	0.14	0.31
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG23	12	0.32	0.14	0.31
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	12	0.28	0.07	0.29
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD12	12	0.28	0.07	0.29
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD11	12	0.28	0.07	0.29
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	12	0.28	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD12	12	0.28	0.07	0.28
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD11	12	0.28	0.07	0.28
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	12	0.27	0.17	0.22
(2,4293)	1:8:A:LEU:HD13	1:2:A:PRO:HG2	12	0.27	0.17	0.22
(2,4293)	1:8:A:LEU:HD12	1:2:A:PRO:HG2	12	0.27	0.17	0.22
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	12	0.27	0.17	0.22
(2,4294)	1:8:B:LEU:HD13	1:2:B:PRO:HG2	12	0.27	0.17	0.22
(2,4294)	1:8:B:LEU:HD12	1:2:B:PRO:HG2	12	0.27	0.17	0.22
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	12	0.24	0.04	0.24
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	12	0.24	0.04	0.25
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	12	0.23	0.09	0.18
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	12	0.23	0.07	0.24
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	12	0.23	0.09	0.18
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	12	0.23	0.07	0.24
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	12	0.22	0.11	0.2
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	12	0.22	0.11	0.2
(2,3864)	1:60:B:LEU:HD12	1:12:A:ILE:HA	12	0.22	0.11	0.2
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	12	0.21	0.05	0.21
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	12	0.21	0.05	0.21
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	12	0.21	0.02	0.2
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	12	0.21	0.02	0.2
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	12	0.2	0.07	0.18
(1,2038)	1:17:B:HIS:HB2	1:54:B:LEU:HA	12	0.2	0.07	0.18
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	12	0.2	0.04	0.2
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD21	12	0.2	0.04	0.2
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD22	12	0.2	0.04	0.2
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	12	0.2	0.03	0.19
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD21	12	0.2	0.03	0.19
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD22	12	0.2	0.03	0.19
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	12	0.2	0.07	0.18
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	12	0.2	0.07	0.18
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	12	0.19	0.06	0.17
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	12	0.19	0.07	0.17
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	12	0.19	0.07	0.15
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	12	0.19	0.07	0.15
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	12	0.18	0.06	0.16
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	12	0.18	0.06	0.16
(2,4162)	1:12:B:ILE:HD11	1:11:B:ARG:H	12	0.18	0.05	0.17
(2,4162)	1:12:B:ILE:HD12	1:11:B:ARG:H	12	0.18	0.05	0.17
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	12	0.18	0.05	0.17
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	12	0.16	0.01	0.16
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	12	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	12	0.16	0.04	0.16
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG23	12	0.15	0.02	0.15
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG22	12	0.15	0.02	0.15
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG21	12	0.15	0.02	0.15
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG23	12	0.14	0.02	0.15
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG22	12	0.14	0.02	0.15
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG21	12	0.14	0.02	0.15
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	12	0.12	0.01	0.11
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	12	0.11	0.01	0.12
(1,2517)	1:22:A:LEU:HD12	1:22:A:LEU:HB3	11	0.9	0.24	0.99
(1,2517)	1:22:A:LEU:HD11	1:5:A:LEU:HB3	11	0.9	0.24	0.99
(1,2517)	1:22:A:LEU:HD11	1:22:A:LEU:HB3	11	0.9	0.24	0.99
(1,2517)	1:22:A:LEU:HD12	1:5:A:LEU:HB3	11	0.9	0.24	0.99
(1,2517)	1:22:A:LEU:HD13	1:5:A:LEU:HB3	11	0.9	0.24	0.99
(1,2517)	1:22:A:LEU:HD13	1:22:A:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD12	1:22:B:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD11	1:5:B:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD11	1:22:B:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD12	1:5:B:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD13	1:5:B:LEU:HB3	11	0.9	0.24	0.99
(1,2518)	1:22:B:LEU:HD13	1:22:B:LEU:HB3	11	0.9	0.24	0.99
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	11	0.81	0.25	0.82
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	11	0.81	0.25	0.82
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD11	11	0.65	0.58	0.14
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD13	11	0.65	0.58	0.14
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD12	11	0.65	0.58	0.14
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD11	11	0.65	0.58	0.14
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	11	0.65	0.58	0.14
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD12	11	0.65	0.58	0.14
(2,4826)	1:55:B:LEU:HD21	1:53:A:LYS:HE3	11	0.58	0.38	0.51
(2,4826)	1:55:B:LEU:HD22	1:53:A:LYS:HE3	11	0.58	0.38	0.51
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	11	0.58	0.38	0.51
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD22	11	0.56	0.23	0.66
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD11	11	0.56	0.23	0.66
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD12	11	0.56	0.23	0.66
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD23	11	0.56	0.23	0.66
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD21	11	0.56	0.23	0.66
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD13	11	0.56	0.23	0.66
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD22	11	0.55	0.23	0.66
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD11	11	0.55	0.23	0.66
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD12	11	0.55	0.23	0.66
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD23	11	0.55	0.23	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD21	11	0.55	0.23	0.66
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD13	11	0.55	0.23	0.66
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE1	11	0.51	0.38	0.38
(1,2789)	1:46:A:MET:HE3	1:41:A:ASN:H	11	0.51	0.38	0.38
(1,2789)	1:46:A:MET:HE1	1:41:A:ASN:H	11	0.51	0.38	0.38
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE3	11	0.51	0.38	0.38
(1,2789)	1:46:A:MET:HE1	1:44:A:ASN:H	11	0.51	0.38	0.38
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE2	11	0.51	0.38	0.38
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE1	11	0.5	0.38	0.37
(1,2790)	1:46:B:MET:HE3	1:41:B:ASN:H	11	0.5	0.38	0.37
(1,2790)	1:46:B:MET:HE1	1:41:B:ASN:H	11	0.5	0.38	0.37
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE3	11	0.5	0.38	0.37
(1,2790)	1:46:B:MET:HE1	1:44:B:ASN:H	11	0.5	0.38	0.37
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE2	11	0.5	0.38	0.37
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	11	0.49	0.13	0.54
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	11	0.49	0.13	0.54
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	11	0.37	0.12	0.39
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	11	0.32	0.09	0.31
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	11	0.31	0.09	0.31
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	11	0.26	0.08	0.25
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	11	0.26	0.08	0.25
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	11	0.26	0.08	0.26
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	11	0.26	0.08	0.26
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD13	11	0.24	0.1	0.26
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	11	0.24	0.1	0.26
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD12	11	0.24	0.1	0.26
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	11	0.23	0.09	0.2
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD11	11	0.23	0.09	0.2
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD12	11	0.23	0.09	0.2
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD13	11	0.23	0.09	0.26
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	11	0.23	0.09	0.26
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD12	11	0.23	0.09	0.26
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	11	0.23	0.08	0.19
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD11	11	0.23	0.08	0.19
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD12	11	0.23	0.08	0.19
(2,3863)	1:60:A:LEU:HD13	1:12:B:ILE:HA	11	0.23	0.12	0.2
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	11	0.23	0.12	0.2
(2,3863)	1:60:A:LEU:HD12	1:12:B:ILE:HA	11	0.23	0.12	0.2
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE2	11	0.23	0.05	0.21
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE2	11	0.23	0.05	0.21
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE1	11	0.23	0.05	0.21
(2,3865)	1:60:A:LEU:HD12	1:64:A:TYR:HE1	11	0.23	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE1	11	0.23	0.05	0.21
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE2	11	0.23	0.05	0.21
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE2	11	0.23	0.05	0.21
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE1	11	0.23	0.05	0.21
(2,3866)	1:60:B:LEU:HD12	1:64:B:TYR:HE1	11	0.23	0.05	0.21
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE1	11	0.23	0.05	0.21
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	11	0.22	0.12	0.18
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	11	0.22	0.12	0.18
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	11	0.21	0.06	0.22
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD22	11	0.21	0.06	0.22
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD23	11	0.21	0.06	0.22
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	11	0.21	0.07	0.18
(1,2037)	1:17:A:HIS:HB2	1:54:A:LEU:HA	11	0.21	0.07	0.18
(1,2037)	1:17:A:HIS:HB2	1:19:A:SER:HB2	11	0.21	0.07	0.18
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	11	0.2	0.05	0.21
(1,2288)	1:54:B:LEU:H	1:55:B:LEU:HG	11	0.2	0.05	0.21
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	11	0.2	0.05	0.21
(1,2287)	1:54:A:LEU:H	1:55:A:LEU:HG	11	0.2	0.05	0.21
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	11	0.2	0.1	0.17
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	11	0.2	0.1	0.18
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	11	0.19	0.08	0.17
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE1	11	0.19	0.08	0.17
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	11	0.19	0.08	0.17
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE1	11	0.19	0.08	0.17
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	11	0.18	0.09	0.14
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG23	11	0.18	0.09	0.14
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG21	11	0.18	0.09	0.14
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	11	0.18	0.09	0.13
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG23	11	0.18	0.09	0.13
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG21	11	0.18	0.09	0.13
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD12	11	0.18	0.07	0.16
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	11	0.18	0.07	0.16
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD13	11	0.18	0.07	0.16
(1,2970)	1:9:B:LEU:HD13	1:11:B:ARG:HB3	11	0.18	0.05	0.17
(1,2970)	1:9:B:LEU:HD11	1:16:B:GLU:HB3	11	0.18	0.05	0.17
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB3	11	0.18	0.05	0.17
(1,2970)	1:9:B:LEU:HD12	1:16:B:GLU:HB3	11	0.18	0.05	0.17
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB2	11	0.18	0.05	0.17
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD12	11	0.18	0.07	0.16
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	11	0.18	0.07	0.16
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD13	11	0.18	0.07	0.16
(1,2969)	1:9:A:LEU:HD13	1:11:A:ARG:HB3	11	0.18	0.05	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2969)	1:9:A:LEU:HD11	1:16:A:GLU:HB3	11	0.18	0.05	0.17
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB3	11	0.18	0.05	0.17
(1,2969)	1:9:A:LEU:HD12	1:16:A:GLU:HB3	11	0.18	0.05	0.17
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB2	11	0.18	0.05	0.17
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	11	0.18	0.06	0.18
(2,4019)	1:18:A:THR:HG22	1:22:A:LEU:H	11	0.18	0.06	0.18
(2,4019)	1:18:A:THR:HG21	1:22:A:LEU:H	11	0.18	0.06	0.18
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	11	0.17	0.06	0.17
(2,4020)	1:18:B:THR:HG22	1:22:B:LEU:H	11	0.17	0.06	0.17
(2,4020)	1:18:B:THR:HG21	1:22:B:LEU:H	11	0.17	0.06	0.17
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	11	0.17	0.03	0.17
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	11	0.16	0.03	0.16
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	11	0.16	0.05	0.15
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	11	0.16	0.03	0.16
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	11	0.15	0.06	0.13
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	11	0.15	0.06	0.13
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD11	11	0.15	0.04	0.14
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD13	11	0.15	0.04	0.14
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD12	11	0.15	0.04	0.14
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD11	11	0.15	0.03	0.14
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD13	11	0.15	0.03	0.14
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD12	11	0.15	0.03	0.14
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	11	0.13	0.02	0.12
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	11	0.13	0.02	0.12
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	11	0.1	0.0	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	11	0.1	0.0	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD12	11	0.1	0.0	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	11	0.1	0.0	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	11	0.1	0.0	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD12	11	0.1	0.0	0.1
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD13	10	1.44	0.09	1.46
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD11	10	1.44	0.09	1.46
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD12	10	1.44	0.09	1.46
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD13	10	1.44	0.09	1.46
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD11	10	1.44	0.09	1.46
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD12	10	1.44	0.09	1.46
(2,3718)	1:22:B:LEU:HD13	1:21:B:LEU:HB3	10	1.4	0.08	1.42
(2,3718)	1:22:B:LEU:HD12	1:21:B:LEU:HB3	10	1.4	0.08	1.42
(2,3718)	1:22:B:LEU:HD11	1:21:B:LEU:HB3	10	1.4	0.08	1.42
(2,3717)	1:22:A:LEU:HD13	1:21:A:LEU:HB3	10	1.4	0.08	1.42
(2,3717)	1:22:A:LEU:HD12	1:21:A:LEU:HB3	10	1.4	0.08	1.42
(2,3717)	1:22:A:LEU:HD11	1:21:A:LEU:HB3	10	1.4	0.08	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3728)	1:22:B:LEU:HD12	1:22:B:LEU:H	10	1.18	0.06	1.19
(2,3728)	1:22:B:LEU:HD11	1:22:B:LEU:H	10	1.18	0.06	1.19
(2,3728)	1:22:B:LEU:HD13	1:22:B:LEU:H	10	1.18	0.06	1.19
(2,3727)	1:22:A:LEU:HD12	1:22:A:LEU:H	10	1.18	0.05	1.19
(2,3727)	1:22:A:LEU:HD11	1:22:A:LEU:H	10	1.18	0.05	1.19
(2,3727)	1:22:A:LEU:HD13	1:22:A:LEU:H	10	1.18	0.05	1.19
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	10	1.15	0.11	1.17
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	10	1.15	0.11	1.17
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD12	10	1.15	0.11	1.17
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	10	1.15	0.1	1.16
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	10	1.15	0.1	1.16
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD12	10	1.15	0.1	1.16
(1,2577)	1:43:A:LEU:HD22	1:40:A:LEU:HA	10	1.04	0.18	1.09
(1,2577)	1:43:A:LEU:HD21	1:20:A:THR:HA	10	1.04	0.18	1.09
(1,2577)	1:43:A:LEU:HD23	1:20:A:THR:HA	10	1.04	0.18	1.09
(1,2577)	1:43:A:LEU:HD22	1:20:A:THR:HA	10	1.04	0.18	1.09
(1,2577)	1:43:A:LEU:HD23	1:40:A:LEU:HA	10	1.04	0.18	1.09
(1,2578)	1:43:B:LEU:HD22	1:40:B:LEU:HA	10	1.04	0.18	1.09
(1,2578)	1:43:B:LEU:HD21	1:20:B:THR:HA	10	1.04	0.18	1.09
(1,2578)	1:43:B:LEU:HD23	1:20:B:THR:HA	10	1.04	0.18	1.09
(1,2578)	1:43:B:LEU:HD22	1:20:B:THR:HA	10	1.04	0.18	1.09
(1,2578)	1:43:B:LEU:HD23	1:40:B:LEU:HA	10	1.04	0.18	1.09
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD13	10	0.98	0.07	0.95
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD11	10	0.98	0.07	0.95
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD12	10	0.98	0.07	0.95
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD13	10	0.97	0.07	0.95
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD11	10	0.97	0.07	0.95
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD12	10	0.97	0.07	0.95
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD13	10	0.9	0.05	0.92
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD11	10	0.9	0.05	0.92
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD12	10	0.9	0.05	0.92
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD13	10	0.9	0.05	0.92
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD11	10	0.9	0.05	0.92
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD12	10	0.9	0.05	0.92
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	10	0.87	0.2	0.91
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	10	0.87	0.19	0.91
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD12	10	0.8	0.09	0.82
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD13	10	0.8	0.09	0.82
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD11	10	0.8	0.09	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD12	10	0.8	0.09	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD13	10	0.8	0.09	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD11	10	0.8	0.09	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	10	0.66	0.03	0.66
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	10	0.66	0.03	0.66
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	10	0.63	0.0	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	10	0.63	0.0	0.63
(2,4825)	1:55:A:LEU:HD21	1:53:B:LYS:HE3	10	0.62	0.36	0.57
(2,4825)	1:55:A:LEU:HD22	1:53:B:LYS:HE3	10	0.62	0.36	0.57
(2,4825)	1:55:A:LEU:HD23	1:53:B:LYS:HE3	10	0.62	0.36	0.57
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	10	0.61	0.11	0.62
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD22	10	0.6	0.03	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	10	0.6	0.03	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD23	10	0.6	0.03	0.59
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD22	10	0.6	0.03	0.6
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	10	0.6	0.03	0.6
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD23	10	0.6	0.03	0.6
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	10	0.6	0.1	0.62
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	10	0.57	0.11	0.57
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	10	0.57	0.11	0.57
(2,4637)	1:43:A:LEU:HD13	1:39:A:HIS:HD2	10	0.57	0.09	0.55
(2,4637)	1:43:A:LEU:HD11	1:39:A:HIS:HD2	10	0.57	0.09	0.55
(2,4637)	1:43:A:LEU:HD12	1:39:A:HIS:HD2	10	0.57	0.09	0.55
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	10	0.57	0.06	0.57
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	10	0.57	0.06	0.58
(2,4638)	1:43:B:LEU:HD13	1:39:B:HIS:HD2	10	0.57	0.09	0.55
(2,4638)	1:43:B:LEU:HD11	1:39:B:HIS:HD2	10	0.57	0.09	0.55
(2,4638)	1:43:B:LEU:HD12	1:39:B:HIS:HD2	10	0.57	0.09	0.55
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD23	10	0.56	0.08	0.6
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	10	0.56	0.08	0.6
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD21	10	0.56	0.08	0.6
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD23	10	0.56	0.08	0.59
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	10	0.56	0.08	0.59
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD21	10	0.56	0.08	0.59
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB3	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD12	1:58:A:ALA:HB2	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB2	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD11	1:54:A:LEU:HB2	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB2	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB1	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB1	10	0.54	0.14	0.57
(1,2641)	1:55:A:LEU:HD12	1:58:A:ALA:HB3	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB3	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD12	1:58:B:ALA:HB2	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB2	10	0.54	0.14	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2642)	1:55:B:LEU:HD11	1:54:B:LEU:HB2	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB2	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB1	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB1	10	0.54	0.14	0.57
(1,2642)	1:55:B:LEU:HD12	1:58:B:ALA:HB3	10	0.54	0.14	0.57
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	10	0.53	0.17	0.5
(2,4751)	1:60:A:LEU:HD13	1:11:B:ARG:HD3	10	0.53	0.17	0.5
(2,4751)	1:60:A:LEU:HD12	1:11:B:ARG:HD3	10	0.53	0.17	0.5
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	10	0.53	0.17	0.5
(2,4752)	1:60:B:LEU:HD13	1:11:A:ARG:HD3	10	0.53	0.17	0.5
(2,4752)	1:60:B:LEU:HD12	1:11:A:ARG:HD3	10	0.53	0.17	0.5
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HG2	10	0.53	0.34	0.48
(1,3136)	1:55:B:LEU:HD22	1:49:A:GLN:HB3	10	0.53	0.34	0.48
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HB3	10	0.53	0.34	0.48
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HG2	10	0.53	0.34	0.48
(1,3136)	1:55:B:LEU:HD22	1:49:A:GLN:HG2	10	0.53	0.34	0.48
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HB3	10	0.53	0.34	0.48
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HG2	10	0.52	0.34	0.47
(1,3135)	1:55:A:LEU:HD22	1:49:B:GLN:HB3	10	0.52	0.34	0.47
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HB3	10	0.52	0.34	0.47
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HG2	10	0.52	0.34	0.47
(1,3135)	1:55:A:LEU:HD22	1:49:B:GLN:HG2	10	0.52	0.34	0.47
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HB3	10	0.52	0.34	0.47
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	10	0.49	0.26	0.38
(2,4627)	1:45:A:ILE:HG23	1:50:A:HIS:HE1	10	0.49	0.26	0.38
(2,4627)	1:45:A:ILE:HG22	1:50:A:HIS:HE1	10	0.49	0.26	0.38
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	10	0.48	0.26	0.38
(2,4628)	1:45:B:ILE:HG23	1:50:B:HIS:HE1	10	0.48	0.26	0.38
(2,4628)	1:45:B:ILE:HG22	1:50:B:HIS:HE1	10	0.48	0.26	0.38
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD11	10	0.47	0.22	0.42
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD12	10	0.47	0.22	0.42
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD13	10	0.47	0.22	0.42
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD11	10	0.47	0.22	0.42
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD12	10	0.47	0.22	0.42
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD13	10	0.47	0.22	0.42
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD2	10	0.45	0.1	0.45
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	10	0.45	0.1	0.45
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD1	10	0.45	0.1	0.45
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	10	0.45	0.27	0.44
(1,3022)	1:64:B:TYR:HE1	1:65:A:ASP:H	10	0.45	0.27	0.44
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD2	10	0.45	0.1	0.45
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	10	0.45	0.1	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD1	10	0.45	0.1	0.45
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	10	0.45	0.27	0.43
(1,3021)	1:64:A:TYR:HE1	1:65:B:ASP:H	10	0.45	0.27	0.43
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD11	10	0.41	0.26	0.32
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD12	10	0.41	0.26	0.32
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD13	10	0.41	0.26	0.32
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD11	10	0.4	0.27	0.31
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD12	10	0.4	0.27	0.31
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD13	10	0.4	0.27	0.31
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD13	10	0.39	0.19	0.38
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD11	10	0.39	0.19	0.38
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD12	10	0.39	0.19	0.38
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD13	10	0.38	0.2	0.38
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD11	10	0.38	0.2	0.38
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD12	10	0.38	0.2	0.38
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD12	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD13	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD23	1:45:B:ILE:HD12	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD13	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD12	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD11	10	0.38	0.2	0.36
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD11	10	0.38	0.2	0.36
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD12	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD13	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD23	1:45:A:ILE:HD12	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD13	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD12	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD11	10	0.37	0.19	0.36
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD11	10	0.37	0.19	0.36
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD13	10	0.34	0.1	0.31
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD11	10	0.34	0.1	0.31
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD12	10	0.34	0.1	0.31
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	10	0.34	0.1	0.38
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD13	10	0.34	0.1	0.3
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD11	10	0.34	0.1	0.3
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD12	10	0.34	0.1	0.3
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	10	0.31	0.19	0.26
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	10	0.3	0.19	0.26
(2,3729)	1:22:A:LEU:HD12	1:19:A:SER:H	10	0.29	0.1	0.32
(2,3729)	1:22:A:LEU:HD11	1:19:A:SER:H	10	0.29	0.1	0.32
(2,3729)	1:22:A:LEU:HD13	1:19:A:SER:H	10	0.29	0.1	0.32
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG22	10	0.28	0.1	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG21	10	0.28	0.1	0.29
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG23	10	0.28	0.1	0.29
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG22	10	0.28	0.09	0.29
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG21	10	0.28	0.09	0.29
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG23	10	0.28	0.09	0.29
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	10	0.28	0.14	0.28
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	10	0.28	0.14	0.28
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	10	0.28	0.14	0.27
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	10	0.28	0.14	0.27
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	10	0.26	0.11	0.26
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD13	10	0.26	0.11	0.26
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD12	10	0.26	0.11	0.26
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	10	0.26	0.1	0.26
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD13	10	0.26	0.1	0.26
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD12	10	0.26	0.1	0.26
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD12	10	0.23	0.09	0.22
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD13	10	0.23	0.09	0.22
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD11	10	0.23	0.09	0.22
(1,2859)	1:45:A:ILE:HD12	1:17:A:HIS:HE1	10	0.23	0.09	0.22
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD12	10	0.23	0.09	0.23
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD13	10	0.23	0.09	0.23
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD11	10	0.23	0.09	0.23
(1,2860)	1:45:B:ILE:HD12	1:17:B:HIS:HE1	10	0.23	0.09	0.23
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	10	0.23	0.1	0.22
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	10	0.23	0.09	0.22
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	10	0.22	0.09	0.22
(1,2712)	1:38:B:THR:HG21	1:39:B:HIS:HD2	10	0.22	0.09	0.22
(1,2712)	1:38:B:THR:HG23	1:39:B:HIS:HD2	10	0.22	0.09	0.22
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	10	0.22	0.09	0.22
(1,2711)	1:38:A:THR:HG21	1:39:A:HIS:HD2	10	0.22	0.09	0.22
(1,2711)	1:38:A:THR:HG23	1:39:A:HIS:HD2	10	0.22	0.09	0.22
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	10	0.22	0.06	0.23
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD23	10	0.22	0.06	0.23
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	10	0.22	0.05	0.22
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	10	0.22	0.05	0.22
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	10	0.22	0.05	0.23
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	10	0.22	0.05	0.23
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	10	0.22	0.06	0.22
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	10	0.22	0.06	0.22
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	10	0.21	0.06	0.2
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	10	0.21	0.06	0.2
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	10	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	10	0.2	0.06	0.22
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB1	10	0.19	0.05	0.18
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB2	10	0.19	0.05	0.18
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB1	10	0.19	0.05	0.18
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB3	10	0.19	0.05	0.18
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB2	10	0.19	0.05	0.18
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB1	10	0.19	0.05	0.18
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB2	10	0.19	0.05	0.18
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB1	10	0.19	0.05	0.18
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB3	10	0.19	0.05	0.18
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB2	10	0.19	0.05	0.18
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	10	0.19	0.02	0.2
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	10	0.19	0.02	0.2
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	10	0.18	0.05	0.18
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	10	0.18	0.06	0.18
(2,4123)	1:45:A:ILE:HG22	1:51:A:ARG:HA	10	0.18	0.06	0.18
(2,4123)	1:45:A:ILE:HG21	1:51:A:ARG:HA	10	0.18	0.06	0.18
(2,4123)	1:45:A:ILE:HG23	1:51:A:ARG:HA	10	0.18	0.06	0.18
(2,4124)	1:45:B:ILE:HG22	1:51:B:ARG:HA	10	0.18	0.06	0.18
(2,4124)	1:45:B:ILE:HG21	1:51:B:ARG:HA	10	0.18	0.06	0.18
(2,4124)	1:45:B:ILE:HG23	1:51:B:ARG:HA	10	0.18	0.06	0.18
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	10	0.17	0.04	0.16
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	10	0.17	0.03	0.16
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	10	0.16	0.05	0.15
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	10	0.16	0.04	0.15
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	10	0.13	0.02	0.13
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	10	0.13	0.02	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	10	0.12	0.0	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	10	0.12	0.0	0.12
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD21	9	1.49	1.07	2.13
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	9	1.49	1.07	2.13
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD22	9	1.49	1.07	2.13
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD21	9	1.49	1.07	2.13
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	9	1.49	1.07	2.13
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD22	9	1.49	1.07	2.13
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD23	9	0.88	0.19	0.94
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD21	9	0.88	0.19	0.94
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD22	9	0.88	0.19	0.94
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD23	9	0.88	0.19	0.94
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD21	9	0.88	0.19	0.94
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD22	9	0.88	0.19	0.94
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD21	9	0.76	0.15	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD22	9	0.76	0.15	0.76
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD23	9	0.76	0.15	0.76
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD21	9	0.76	0.15	0.76
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD22	9	0.76	0.15	0.76
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD23	9	0.76	0.15	0.76
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	9	0.69	0.49	0.74
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	9	0.69	0.38	0.7
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	9	0.69	0.49	0.72
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	9	0.69	0.38	0.69
(2,3849)	1:43:A:LEU:HD23	1:21:A:LEU:H	9	0.68	0.21	0.73
(2,3849)	1:43:A:LEU:HD21	1:21:A:LEU:H	9	0.68	0.21	0.73
(2,3849)	1:43:A:LEU:HD22	1:21:A:LEU:H	9	0.68	0.21	0.73
(2,3850)	1:43:B:LEU:HD23	1:21:B:LEU:H	9	0.68	0.21	0.73
(2,3850)	1:43:B:LEU:HD21	1:21:B:LEU:H	9	0.68	0.21	0.73
(2,3850)	1:43:B:LEU:HD22	1:21:B:LEU:H	9	0.68	0.21	0.73
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	9	0.65	0.36	0.53
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	9	0.65	0.36	0.53
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	9	0.64	0.06	0.65
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	9	0.64	0.06	0.65
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	9	0.59	0.34	0.41
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	9	0.59	0.35	0.4
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	9	0.57	0.11	0.53
(1,978)	1:19:B:SER:HB2	1:20:B:THR:HB	9	0.57	0.11	0.53
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	9	0.57	0.1	0.53
(1,977)	1:19:A:SER:HB2	1:20:A:THR:HB	9	0.57	0.1	0.53
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	9	0.51	0.26	0.46
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD21	9	0.51	0.26	0.46
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	9	0.51	0.26	0.46
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	9	0.51	0.26	0.46
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD21	9	0.51	0.26	0.46
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	9	0.51	0.26	0.46
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	9	0.45	0.21	0.42
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD2	9	0.45	0.21	0.42
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	9	0.45	0.21	0.41
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD2	9	0.45	0.21	0.41
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	9	0.39	0.19	0.35
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	9	0.39	0.18	0.35
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	9	0.39	0.15	0.32
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	9	0.38	0.16	0.29
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	9	0.37	0.06	0.4
(1,2853)	1:45:A:ILE:HD13	1:47:A:ASP:HB2	9	0.36	0.15	0.38
(1,2853)	1:45:A:ILE:HD11	1:47:A:ASP:HB2	9	0.36	0.15	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2853)	1:45:A:ILE:HD12	1:47:A:ASP:HB2	9	0.36	0.15	0.38
(1,2854)	1:45:B:ILE:HD13	1:47:B:ASP:HB2	9	0.36	0.14	0.38
(1,2854)	1:45:B:ILE:HD11	1:47:B:ASP:HB2	9	0.36	0.14	0.38
(1,2854)	1:45:B:ILE:HD12	1:47:B:ASP:HB2	9	0.36	0.14	0.38
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	9	0.36	0.08	0.35
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	9	0.36	0.08	0.35
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD12	9	0.35	0.09	0.34
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD13	9	0.35	0.09	0.34
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD11	9	0.35	0.09	0.34
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD12	9	0.34	0.1	0.34
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD13	9	0.34	0.1	0.34
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD11	9	0.34	0.1	0.34
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD11	9	0.32	0.16	0.28
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD13	9	0.32	0.16	0.28
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD12	9	0.32	0.16	0.28
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	9	0.32	0.16	0.27
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD13	9	0.32	0.16	0.27
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD12	9	0.32	0.16	0.27
(2,3730)	1:22:B:LEU:HD12	1:19:B:SER:H	9	0.31	0.09	0.33
(2,3730)	1:22:B:LEU:HD11	1:19:B:SER:H	9	0.31	0.09	0.33
(2,3730)	1:22:B:LEU:HD13	1:19:B:SER:H	9	0.31	0.09	0.33
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE1	9	0.3	0.11	0.32
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	9	0.3	0.11	0.32
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE1	9	0.3	0.1	0.32
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	9	0.3	0.1	0.32
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD21	9	0.3	0.12	0.27
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD22	9	0.3	0.12	0.27
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD23	9	0.3	0.12	0.27
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD21	9	0.3	0.12	0.27
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD22	9	0.3	0.12	0.27
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD23	9	0.3	0.12	0.27
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	9	0.29	0.1	0.31
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD11	9	0.29	0.1	0.31
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	9	0.29	0.1	0.31
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD11	9	0.29	0.1	0.31
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD13	9	0.28	0.15	0.2
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD12	9	0.28	0.15	0.2
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD11	9	0.28	0.15	0.2
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD13	9	0.28	0.15	0.2
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD12	9	0.28	0.15	0.2
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD11	9	0.28	0.15	0.2
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD21	9	0.28	0.07	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD22	9	0.28	0.07	0.25
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD23	9	0.28	0.07	0.25
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD21	9	0.27	0.07	0.25
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD22	9	0.27	0.07	0.25
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD23	9	0.27	0.07	0.25
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD12	9	0.18	0.06	0.16
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD11	9	0.18	0.06	0.16
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD13	9	0.18	0.06	0.16
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD12	9	0.18	0.05	0.16
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD11	9	0.18	0.05	0.16
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD13	9	0.18	0.05	0.16
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	9	0.18	0.04	0.18
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	9	0.18	0.04	0.18
(2,3867)	1:60:A:LEU:HD13	1:64:A:TYR:HD2	9	0.17	0.05	0.17
(2,3867)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	9	0.17	0.05	0.17
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	9	0.17	0.05	0.17
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD1	9	0.17	0.05	0.17
(2,3867)	1:60:A:LEU:HD13	1:64:A:TYR:HD1	9	0.17	0.05	0.17
(2,3868)	1:60:B:LEU:HD13	1:64:B:TYR:HD2	9	0.17	0.05	0.17
(2,3868)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	9	0.17	0.05	0.17
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	9	0.17	0.05	0.17
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD1	9	0.17	0.05	0.17
(2,3868)	1:60:B:LEU:HD13	1:64:B:TYR:HD1	9	0.17	0.05	0.17
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	9	0.17	0.05	0.15
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG22	9	0.17	0.05	0.15
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG21	9	0.17	0.05	0.15
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	9	0.16	0.05	0.16
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG22	9	0.16	0.05	0.16
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG21	9	0.16	0.05	0.16
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	9	0.16	0.04	0.15
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	9	0.15	0.03	0.14
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	9	0.15	0.03	0.14
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	9	0.15	0.04	0.15
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	9	0.15	0.04	0.15
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	9	0.14	0.03	0.13
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	9	0.14	0.03	0.12
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	9	0.14	0.04	0.12
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD2	8	1.01	0.68	1.42
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	8	1.01	0.68	1.42
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD2	8	1.01	0.68	1.42
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	8	1.01	0.68	1.42
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	8	0.45	0.11	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	8	0.45	0.38	0.37
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	8	0.45	0.38	0.37
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD11	8	0.44	0.27	0.31
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD12	8	0.44	0.27	0.31
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD13	8	0.44	0.27	0.31
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD11	8	0.44	0.27	0.31
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD12	8	0.44	0.27	0.31
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD13	8	0.44	0.27	0.31
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	8	0.44	0.13	0.46
(1,3081)	1:60:A:LEU:HD12	1:11:B:ARG:HB3	8	0.43	0.28	0.38
(1,3081)	1:60:A:LEU:HD11	1:11:B:ARG:HB3	8	0.43	0.28	0.38
(1,3081)	1:60:A:LEU:HD13	1:11:B:ARG:HB3	8	0.43	0.28	0.38
(1,3082)	1:60:B:LEU:HD12	1:11:A:ARG:HB3	8	0.43	0.28	0.39
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	8	0.43	0.28	0.39
(1,3082)	1:60:B:LEU:HD13	1:11:A:ARG:HB3	8	0.43	0.28	0.39
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD13	8	0.41	0.39	0.2
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD11	8	0.41	0.39	0.2
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	8	0.41	0.39	0.2
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD13	8	0.41	0.39	0.2
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD11	8	0.41	0.39	0.2
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	8	0.41	0.39	0.2
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG22	8	0.38	0.13	0.37
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	8	0.38	0.13	0.37
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG22	8	0.38	0.13	0.38
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	8	0.38	0.13	0.38
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD13	8	0.37	0.17	0.33
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	8	0.37	0.17	0.33
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD13	8	0.37	0.17	0.33
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	8	0.37	0.17	0.33
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	8	0.31	0.16	0.32
(1,1573)	1:62:A:LEU:HB2	1:36:A:ARG:HD2	8	0.31	0.16	0.32
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	8	0.31	0.17	0.32
(1,1574)	1:62:B:LEU:HB2	1:36:B:ARG:HD2	8	0.31	0.17	0.32
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD2	8	0.29	0.09	0.26
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD1	8	0.29	0.09	0.26
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD2	8	0.29	0.09	0.26
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD1	8	0.29	0.09	0.26
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD12	8	0.29	0.06	0.28
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD13	8	0.29	0.06	0.28
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD11	8	0.29	0.06	0.28
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD12	8	0.29	0.06	0.29
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD13	8	0.29	0.06	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD11	8	0.29	0.06	0.29
(2,3711)	1:61:A:LEU:HD23	1:64:B:TYR:HD1	8	0.28	0.09	0.29
(2,3711)	1:61:A:LEU:HD22	1:64:B:TYR:HD2	8	0.28	0.09	0.29
(2,3711)	1:61:A:LEU:HD22	1:64:B:TYR:HD1	8	0.28	0.09	0.29
(2,3711)	1:61:A:LEU:HD21	1:64:B:TYR:HD2	8	0.28	0.09	0.29
(2,3711)	1:61:A:LEU:HD23	1:64:B:TYR:HD2	8	0.28	0.09	0.29
(2,3712)	1:61:B:LEU:HD23	1:64:A:TYR:HD1	8	0.27	0.1	0.27
(2,3712)	1:61:B:LEU:HD22	1:64:A:TYR:HD2	8	0.27	0.1	0.27
(2,3712)	1:61:B:LEU:HD22	1:64:A:TYR:HD1	8	0.27	0.1	0.27
(2,3712)	1:61:B:LEU:HD21	1:64:A:TYR:HD2	8	0.27	0.1	0.27
(2,3712)	1:61:B:LEU:HD23	1:64:A:TYR:HD2	8	0.27	0.1	0.27
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	8	0.27	0.11	0.26
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	8	0.26	0.11	0.24
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	8	0.26	0.11	0.26
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	8	0.26	0.1	0.24
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	8	0.26	0.09	0.26
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	8	0.26	0.09	0.25
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	8	0.25	0.12	0.24
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	8	0.25	0.12	0.23
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	8	0.25	0.11	0.2
(1,1438)	1:38:B:THR:H	1:36:B:ARG:HD3	8	0.25	0.11	0.2
(1,1438)	1:36:B:ARG:HD3	1:59:B:GLU:H	8	0.25	0.11	0.2
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	8	0.25	0.07	0.23
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	8	0.24	0.1	0.19
(1,1437)	1:38:A:THR:H	1:36:A:ARG:HD3	8	0.24	0.1	0.19
(1,1437)	1:36:A:ARG:HD3	1:59:A:GLU:H	8	0.24	0.1	0.19
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	8	0.24	0.07	0.23
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	8	0.23	0.13	0.2
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	8	0.23	0.13	0.2
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD11	8	0.22	0.1	0.21
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	8	0.22	0.1	0.21
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD11	8	0.22	0.1	0.22
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	8	0.22	0.1	0.22
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	8	0.21	0.06	0.22
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD2	8	0.21	0.06	0.22
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	8	0.2	0.06	0.22
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD2	8	0.2	0.06	0.22
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	8	0.2	0.08	0.16
(2,3961)	1:9:A:LEU:HD13	1:17:A:HIS:HB3	8	0.2	0.08	0.16
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	8	0.2	0.08	0.16
(2,3962)	1:9:B:LEU:HD13	1:17:B:HIS:HB3	8	0.2	0.08	0.16
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	8	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	8	0.18	0.04	0.18
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	8	0.16	0.03	0.17
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	8	0.16	0.03	0.17
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	8	0.14	0.05	0.13
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	8	0.14	0.02	0.14
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	8	0.14	0.02	0.14
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	8	0.12	0.02	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB1	8	0.12	0.02	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB2	8	0.12	0.02	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	8	0.12	0.02	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB1	8	0.12	0.02	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB2	8	0.12	0.02	0.11
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	7	1.0	0.53	1.33
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	7	0.99	0.53	1.32
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	7	0.82	0.09	0.81
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	7	0.82	0.09	0.81
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG22	7	0.72	0.45	0.53
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG21	7	0.72	0.45	0.53
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG23	7	0.72	0.45	0.53
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG22	7	0.72	0.45	0.51
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG21	7	0.72	0.45	0.51
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG23	7	0.72	0.45	0.51
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD11	7	0.67	0.48	0.4
(2,3821)	1:40:A:LEU:HD11	1:45:A:ILE:HD12	7	0.67	0.48	0.4
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD13	7	0.67	0.48	0.4
(2,3821)	1:40:A:LEU:HD11	1:45:A:ILE:HD13	7	0.67	0.48	0.4
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD11	7	0.67	0.48	0.4
(2,3822)	1:40:B:LEU:HD11	1:45:B:ILE:HD12	7	0.67	0.48	0.4
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD13	7	0.67	0.48	0.4
(2,3822)	1:40:B:LEU:HD11	1:45:B:ILE:HD13	7	0.67	0.48	0.4
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG21	7	0.58	0.07	0.57
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG23	7	0.58	0.07	0.57
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG22	7	0.58	0.07	0.57
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG21	7	0.58	0.08	0.57
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG23	7	0.58	0.08	0.57
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG22	7	0.58	0.08	0.57
(2,4045)	1:55:A:LEU:HD13	1:58:A:ALA:HB1	7	0.51	0.24	0.41
(2,4045)	1:55:A:LEU:HD11	1:58:A:ALA:HB1	7	0.51	0.24	0.41
(2,4045)	1:55:A:LEU:HD12	1:58:A:ALA:HB3	7	0.51	0.24	0.41
(2,4045)	1:55:A:LEU:HD11	1:58:A:ALA:HB3	7	0.51	0.24	0.41
(2,4046)	1:55:B:LEU:HD13	1:58:B:ALA:HB1	7	0.51	0.24	0.41
(2,4046)	1:55:B:LEU:HD11	1:58:B:ALA:HB1	7	0.51	0.24	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4046)	1:55:B:LEU:HD12	1:58:B:ALA:HB3	7	0.51	0.24	0.41
(2,4046)	1:55:B:LEU:HD11	1:58:B:ALA:HB3	7	0.51	0.24	0.41
(1,775)	1:67:A:GLY:H	1:64:A:TYR:HE2	7	0.39	0.13	0.46
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE1	7	0.39	0.13	0.46
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE2	7	0.39	0.13	0.46
(1,775)	1:67:A:GLY:H	1:64:A:TYR:HE1	7	0.39	0.13	0.46
(1,776)	1:67:B:GLY:H	1:64:B:TYR:HE2	7	0.39	0.13	0.45
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE1	7	0.39	0.13	0.45
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE2	7	0.39	0.13	0.45
(1,776)	1:67:B:GLY:H	1:64:B:TYR:HE1	7	0.39	0.13	0.45
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	7	0.37	0.25	0.26
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	7	0.36	0.25	0.25
(2,3875)	1:43:A:LEU:HD23	1:20:A:THR:HG23	7	0.35	0.16	0.32
(2,3875)	1:43:A:LEU:HD21	1:20:A:THR:HG21	7	0.35	0.16	0.32
(2,3875)	1:43:A:LEU:HD22	1:20:A:THR:HG23	7	0.35	0.16	0.32
(2,3875)	1:43:A:LEU:HD21	1:20:A:THR:HG22	7	0.35	0.16	0.32
(2,3875)	1:43:A:LEU:HD22	1:20:A:THR:HG22	7	0.35	0.16	0.32
(2,3876)	1:43:B:LEU:HD23	1:20:B:THR:HG23	7	0.35	0.16	0.32
(2,3876)	1:43:B:LEU:HD21	1:20:B:THR:HG21	7	0.35	0.16	0.32
(2,3876)	1:43:B:LEU:HD22	1:20:B:THR:HG23	7	0.35	0.16	0.32
(2,3876)	1:43:B:LEU:HD21	1:20:B:THR:HG22	7	0.35	0.16	0.32
(2,3876)	1:43:B:LEU:HD22	1:20:B:THR:HG22	7	0.35	0.16	0.32
(1,1457)	1:11:A:ARG:HD2	1:56:B:THR:HA	7	0.34	0.16	0.32
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	7	0.34	0.16	0.32
(1,1458)	1:11:B:ARG:HD2	1:56:A:THR:HA	7	0.33	0.16	0.31
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	7	0.33	0.16	0.31
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD12	7	0.33	0.25	0.26
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD13	7	0.33	0.25	0.26
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD11	7	0.33	0.25	0.26
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	7	0.33	0.07	0.34
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD12	7	0.32	0.25	0.25
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD13	7	0.32	0.25	0.25
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD11	7	0.32	0.25	0.25
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	7	0.32	0.07	0.34
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	7	0.32	0.11	0.33
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	7	0.31	0.11	0.33
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG23	7	0.31	0.14	0.32
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG22	7	0.31	0.14	0.32
(1,1630)	1:65:B:ASP:HB3	1:66:A:THR:HG22	7	0.31	0.14	0.32
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG21	7	0.31	0.14	0.32
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG23	7	0.31	0.13	0.33
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG22	7	0.31	0.13	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1629)	1:65:A:ASP:HB3	1:66:B:THR:HG22	7	0.31	0.13	0.33
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG21	7	0.31	0.13	0.33
(2,3915)	1:14:A:LEU:HD11	1:50:A:HIS:HD2	7	0.3	0.12	0.3
(2,3915)	1:14:A:LEU:HD12	1:50:A:HIS:HD2	7	0.3	0.12	0.3
(2,3915)	1:14:A:LEU:HD13	1:50:A:HIS:HD2	7	0.3	0.12	0.3
(2,3916)	1:14:B:LEU:HD11	1:50:B:HIS:HD2	7	0.3	0.11	0.3
(2,3916)	1:14:B:LEU:HD12	1:50:B:HIS:HD2	7	0.3	0.11	0.3
(2,3916)	1:14:B:LEU:HD13	1:50:B:HIS:HD2	7	0.3	0.11	0.3
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	7	0.3	0.12	0.3
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	7	0.3	0.12	0.3
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD21	7	0.27	0.15	0.2
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD23	7	0.27	0.15	0.2
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD22	7	0.27	0.15	0.2
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD21	7	0.27	0.15	0.2
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD23	7	0.27	0.15	0.2
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD22	7	0.27	0.15	0.2
(2,3555)	1:8:A:LEU:HD12	1:32:A:PHE:HZ	7	0.25	0.11	0.27
(2,3555)	1:8:A:LEU:HD11	1:32:A:PHE:HZ	7	0.25	0.11	0.27
(2,3555)	1:8:A:LEU:HD13	1:32:A:PHE:HZ	7	0.25	0.11	0.27
(2,3556)	1:8:B:LEU:HD12	1:32:B:PHE:HZ	7	0.25	0.12	0.26
(2,3556)	1:8:B:LEU:HD11	1:32:B:PHE:HZ	7	0.25	0.12	0.26
(2,3556)	1:8:B:LEU:HD13	1:32:B:PHE:HZ	7	0.25	0.12	0.26
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD22	7	0.24	0.12	0.23
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD21	7	0.24	0.12	0.23
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD23	7	0.24	0.12	0.23
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	7	0.24	0.04	0.25
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD1	7	0.24	0.08	0.2
(2,4771)	1:61:A:LEU:HD13	1:64:B:TYR:HD2	7	0.24	0.08	0.2
(2,4771)	1:61:A:LEU:HD12	1:64:B:TYR:HD2	7	0.24	0.08	0.2
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD2	7	0.24	0.08	0.2
(2,4771)	1:61:A:LEU:HD12	1:64:B:TYR:HD1	7	0.24	0.08	0.2
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	7	0.24	0.08	0.22
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	7	0.24	0.08	0.22
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	7	0.24	0.04	0.25
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD1	7	0.23	0.08	0.2
(2,4772)	1:61:B:LEU:HD13	1:64:A:TYR:HD2	7	0.23	0.08	0.2
(2,4772)	1:61:B:LEU:HD12	1:64:A:TYR:HD2	7	0.23	0.08	0.2
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD2	7	0.23	0.08	0.2
(2,4772)	1:61:B:LEU:HD12	1:64:A:TYR:HD1	7	0.23	0.08	0.2
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	7	0.22	0.07	0.19
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	7	0.22	0.07	0.19
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	7	0.22	0.1	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	7	0.22	0.1	0.17
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	7	0.21	0.12	0.18
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	7	0.2	0.12	0.18
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	7	0.2	0.03	0.2
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	7	0.2	0.02	0.2
(1,2781)	1:12:A:ILE:HG23	1:59:B:GLU:H	7	0.19	0.08	0.15
(1,2781)	1:12:A:ILE:HG21	1:59:B:GLU:H	7	0.19	0.08	0.15
(1,2781)	1:12:A:ILE:HG22	1:59:B:GLU:H	7	0.19	0.08	0.15
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	7	0.19	0.03	0.19
(1,1609)	1:61:A:LEU:H	1:60:A:LEU:HB3	7	0.19	0.03	0.19
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	7	0.19	0.03	0.19
(1,1610)	1:61:B:LEU:H	1:60:B:LEU:HB3	7	0.19	0.03	0.19
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG22	7	0.16	0.03	0.16
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG21	7	0.16	0.03	0.16
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	7	0.15	0.04	0.14
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG22	7	0.15	0.02	0.16
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG21	7	0.15	0.02	0.16
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	7	0.15	0.05	0.13
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	7	0.14	0.04	0.11
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB1	7	0.14	0.04	0.11
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB2	7	0.14	0.04	0.11
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	7	0.13	0.02	0.13
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	7	0.12	0.02	0.13
(1,1890)	1:53:B:LYS:H	1:53:B:LYS:HB3	7	0.12	0.02	0.13
(2,3601)	1:43:A:LEU:HD11	1:40:A:LEU:HG	6	1.47	0.44	1.67
(2,3601)	1:43:A:LEU:HD13	1:40:A:LEU:HG	6	1.47	0.44	1.67
(2,3601)	1:43:A:LEU:HD12	1:40:A:LEU:HG	6	1.47	0.44	1.67
(2,3602)	1:43:B:LEU:HD11	1:40:B:LEU:HG	6	1.46	0.44	1.66
(2,3602)	1:43:B:LEU:HD13	1:40:B:LEU:HG	6	1.46	0.44	1.66
(2,3602)	1:43:B:LEU:HD12	1:40:B:LEU:HG	6	1.46	0.44	1.66
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG23	6	1.38	0.38	1.55
(1,2611)	1:21:A:LEU:HD11	1:20:A:THR:HG23	6	1.38	0.38	1.55
(1,2611)	1:43:A:LEU:HD12	1:20:A:THR:HG23	6	1.38	0.38	1.55
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG21	6	1.38	0.38	1.55
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG23	6	1.38	0.38	1.54
(1,2612)	1:21:B:LEU:HD11	1:20:B:THR:HG23	6	1.38	0.38	1.54
(1,2612)	1:43:B:LEU:HD12	1:20:B:THR:HG23	6	1.38	0.38	1.54
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG21	6	1.38	0.38	1.54
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	6	1.08	0.18	1.04
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	6	1.08	0.19	1.04
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG22	6	0.74	0.32	0.76
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG21	6	0.74	0.32	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG23	6	0.74	0.32	0.76
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG22	6	0.73	0.33	0.76
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG21	6	0.73	0.33	0.76
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG23	6	0.73	0.33	0.76
(1,2375)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	6	0.45	0.16	0.52
(1,2375)	1:35:A:LEU:HD23	1:21:A:LEU:HD12	6	0.45	0.16	0.52
(1,2375)	1:35:A:LEU:HD21	1:21:A:LEU:HD13	6	0.45	0.16	0.52
(1,2375)	1:35:A:LEU:HD23	1:21:A:LEU:HD13	6	0.45	0.16	0.52
(1,2376)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	6	0.45	0.16	0.52
(1,2376)	1:35:B:LEU:HD23	1:21:B:LEU:HD12	6	0.45	0.16	0.52
(1,2376)	1:35:B:LEU:HD21	1:21:B:LEU:HD13	6	0.45	0.16	0.52
(1,2376)	1:35:B:LEU:HD23	1:21:B:LEU:HD13	6	0.45	0.16	0.52
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	6	0.44	0.0	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	6	0.44	0.0	0.44
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD12	6	0.4	0.18	0.45
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD11	6	0.4	0.18	0.45
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD13	6	0.4	0.18	0.45
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD12	6	0.4	0.18	0.44
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD11	6	0.4	0.18	0.44
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD13	6	0.4	0.18	0.44
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG22	6	0.38	0.09	0.38
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG21	6	0.38	0.09	0.38
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG23	6	0.38	0.09	0.38
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG22	6	0.37	0.08	0.36
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG21	6	0.37	0.08	0.36
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG23	6	0.37	0.08	0.36
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB2	6	0.34	0.13	0.3
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB3	6	0.34	0.13	0.3
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB2	6	0.34	0.13	0.29
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB3	6	0.34	0.13	0.29
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD13	6	0.33	0.09	0.35
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD11	6	0.33	0.09	0.35
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD12	6	0.33	0.09	0.35
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD13	6	0.33	0.09	0.34
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD11	6	0.33	0.09	0.34
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD12	6	0.33	0.09	0.34
(2,3661)	1:40:A:LEU:HD12	1:37:A:GLU:HA	6	0.33	0.25	0.22
(2,3661)	1:40:A:LEU:HD13	1:37:A:GLU:HA	6	0.33	0.25	0.22
(2,3661)	1:40:A:LEU:HD11	1:37:A:GLU:HA	6	0.33	0.25	0.22
(2,3662)	1:40:B:LEU:HD12	1:37:B:GLU:HA	6	0.32	0.25	0.22
(2,3662)	1:40:B:LEU:HD13	1:37:B:GLU:HA	6	0.32	0.25	0.22
(2,3662)	1:40:B:LEU:HD11	1:37:B:GLU:HA	6	0.32	0.25	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD21	6	0.32	0.16	0.32
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD22	6	0.32	0.16	0.32
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD23	6	0.32	0.16	0.32
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD21	6	0.32	0.15	0.32
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD22	6	0.32	0.15	0.32
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD23	6	0.32	0.15	0.32
(2,4905)	1:61:A:LEU:HD13	1:60:B:LEU:HB3	6	0.31	0.17	0.26
(2,4905)	1:61:A:LEU:HD12	1:60:B:LEU:HB3	6	0.31	0.17	0.26
(2,4905)	1:61:A:LEU:HD11	1:60:B:LEU:HB3	6	0.31	0.17	0.26
(2,4906)	1:61:B:LEU:HD13	1:60:A:LEU:HB3	6	0.3	0.17	0.26
(2,4906)	1:61:B:LEU:HD12	1:60:A:LEU:HB3	6	0.3	0.17	0.26
(2,4906)	1:61:B:LEU:HD11	1:60:A:LEU:HB3	6	0.3	0.17	0.26
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	6	0.27	0.17	0.19
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	6	0.27	0.17	0.19
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD11	6	0.25	0.1	0.23
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD13	6	0.25	0.1	0.23
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD12	6	0.25	0.1	0.23
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD21	6	0.25	0.06	0.26
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD23	6	0.25	0.06	0.26
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD22	6	0.25	0.06	0.26
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD21	6	0.25	0.06	0.26
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD23	6	0.25	0.06	0.26
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD22	6	0.25	0.06	0.26
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD11	6	0.24	0.1	0.22
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD13	6	0.24	0.1	0.22
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD12	6	0.24	0.1	0.22
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD21	6	0.22	0.08	0.25
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD23	6	0.22	0.08	0.25
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD22	6	0.22	0.08	0.25
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD21	6	0.22	0.08	0.24
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD23	6	0.22	0.08	0.24
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD22	6	0.22	0.08	0.24
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	6	0.22	0.11	0.18
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	6	0.22	0.11	0.18
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	6	0.22	0.08	0.21
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	6	0.22	0.08	0.21
(1,2782)	1:12:B:ILE:HG23	1:59:A:GLU:H	6	0.21	0.09	0.17
(1,2782)	1:12:B:ILE:HG21	1:59:A:GLU:H	6	0.21	0.09	0.17
(1,2782)	1:12:B:ILE:HG22	1:59:A:GLU:H	6	0.21	0.09	0.17
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	6	0.21	0.05	0.2
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	6	0.2	0.05	0.2
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	6	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD22	6	0.2	0.06	0.2
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	6	0.2	0.06	0.2
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	6	0.2	0.06	0.2
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD22	6	0.2	0.06	0.2
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	6	0.2	0.06	0.2
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	6	0.19	0.09	0.16
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	6	0.19	0.09	0.16
(2,4186)	1:22:B:LEU:HD12	1:21:B:LEU:HB2	6	0.18	0.06	0.2
(2,4186)	1:22:B:LEU:HD11	1:21:B:LEU:HB2	6	0.18	0.06	0.2
(2,4186)	1:22:B:LEU:HD13	1:21:B:LEU:HB2	6	0.18	0.06	0.2
(2,4185)	1:22:A:LEU:HD12	1:21:A:LEU:HB2	6	0.18	0.05	0.2
(2,4185)	1:22:A:LEU:HD11	1:21:A:LEU:HB2	6	0.18	0.05	0.2
(2,4185)	1:22:A:LEU:HD13	1:21:A:LEU:HB2	6	0.18	0.05	0.2
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD12	6	0.18	0.06	0.16
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD13	6	0.18	0.06	0.16
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD12	6	0.18	0.06	0.16
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD13	6	0.18	0.06	0.16
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG22	6	0.18	0.06	0.16
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG21	6	0.18	0.06	0.16
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG23	6	0.18	0.06	0.16
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG22	6	0.17	0.07	0.16
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG21	6	0.17	0.07	0.16
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG23	6	0.17	0.07	0.16
(1,2393)	1:35:A:LEU:HD23	1:39:A:HIS:H	6	0.16	0.06	0.16
(1,2393)	1:35:A:LEU:HD22	1:39:A:HIS:H	6	0.16	0.06	0.16
(2,4919)	1:60:A:LEU:HD21	1:8:B:LEU:HG	6	0.16	0.04	0.16
(2,4919)	1:60:A:LEU:HD23	1:8:B:LEU:HG	6	0.16	0.04	0.16
(2,4919)	1:60:A:LEU:HD22	1:8:B:LEU:HG	6	0.16	0.04	0.16
(2,4920)	1:60:B:LEU:HD23	1:8:A:LEU:HG	6	0.16	0.04	0.16
(2,4920)	1:60:B:LEU:HD21	1:8:A:LEU:HG	6	0.16	0.04	0.16
(2,4920)	1:60:B:LEU:HD22	1:8:A:LEU:HG	6	0.16	0.04	0.16
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	6	0.15	0.0	0.15
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	6	0.15	0.0	0.15
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD23	6	0.15	0.03	0.15
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD21	6	0.15	0.03	0.15
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD22	6	0.15	0.03	0.15
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD13	6	0.15	0.03	0.14
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD12	6	0.15	0.03	0.14
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD11	6	0.15	0.03	0.14
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD13	6	0.14	0.03	0.14
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD12	6	0.14	0.03	0.14
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD11	6	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB3	6	0.14	0.05	0.12
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB1	6	0.14	0.05	0.12
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB2	6	0.14	0.05	0.12
(1,185)	1:12:A:ILE:H	1:8:A:LEU:HD22	6	0.13	0.02	0.12
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD12	6	0.13	0.02	0.12
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD13	6	0.13	0.02	0.12
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD11	6	0.13	0.02	0.12
(1,186)	1:12:B:ILE:H	1:8:B:LEU:HD22	6	0.12	0.02	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD12	6	0.12	0.02	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD13	6	0.12	0.02	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD11	6	0.12	0.02	0.11
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	5	2.16	0.1	2.16
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	5	2.15	0.1	2.16
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD22	5	2.02	0.08	2.05
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD21	5	2.02	0.08	2.05
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD23	5	2.02	0.08	2.05
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD22	5	2.02	0.08	2.04
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD21	5	2.02	0.08	2.04
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD23	5	2.02	0.08	2.04
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD21	5	1.66	0.02	1.65
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD23	5	1.66	0.02	1.65
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD22	5	1.66	0.02	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD21	5	1.66	0.02	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD23	5	1.66	0.02	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD22	5	1.66	0.02	1.65
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	5	1.47	0.04	1.49
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	5	1.47	0.04	1.49
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD21	5	1.24	0.08	1.18
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD23	5	1.24	0.08	1.18
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD22	5	1.24	0.08	1.18
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD21	5	1.23	0.08	1.18
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD23	5	1.23	0.08	1.18
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD22	5	1.23	0.08	1.18
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	5	1.06	0.11	1.07
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	5	1.06	0.11	1.07
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	5	0.93	0.04	0.94
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	5	0.92	0.04	0.94
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	5	0.86	0.06	0.86
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	5	0.86	0.06	0.87
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	5	0.8	0.07	0.8
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	5	0.8	0.07	0.8
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD13	5	0.8	0.45	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD11	5	0.8	0.45	1.1
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD13	5	0.8	0.45	1.1
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD11	5	0.8	0.45	1.1
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	5	0.75	0.01	0.76
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	5	0.75	0.01	0.76
(2,3595)	1:35:A:LEU:HD21	1:43:A:LEU:HD11	5	0.73	0.09	0.67
(2,3595)	1:35:A:LEU:HD23	1:43:A:LEU:HD13	5	0.73	0.09	0.67
(2,3595)	1:35:A:LEU:HD23	1:43:A:LEU:HD11	5	0.73	0.09	0.67
(2,3595)	1:35:A:LEU:HD21	1:43:A:LEU:HD12	5	0.73	0.09	0.67
(2,3596)	1:35:B:LEU:HD21	1:43:B:LEU:HD11	5	0.73	0.09	0.67
(2,3596)	1:35:B:LEU:HD23	1:43:B:LEU:HD13	5	0.73	0.09	0.67
(2,3596)	1:35:B:LEU:HD23	1:43:B:LEU:HD11	5	0.73	0.09	0.67
(2,3596)	1:35:B:LEU:HD21	1:43:B:LEU:HD12	5	0.73	0.09	0.67
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	5	0.67	0.43	0.46
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	5	0.67	0.43	0.46
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	5	0.6	0.21	0.6
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	5	0.59	0.21	0.6
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD11	5	0.5	0.12	0.54
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD13	5	0.5	0.12	0.54
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD12	5	0.5	0.12	0.54
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD11	5	0.5	0.12	0.53
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD13	5	0.5	0.12	0.53
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD12	5	0.5	0.12	0.53
(2,3826)	1:40:B:LEU:HD12	1:36:B:ARG:HA	5	0.48	0.41	0.26
(2,3826)	1:40:B:LEU:HD13	1:36:B:ARG:HA	5	0.48	0.41	0.26
(2,3826)	1:40:B:LEU:HD11	1:36:B:ARG:HA	5	0.48	0.41	0.26
(2,3825)	1:40:A:LEU:HD12	1:36:A:ARG:HA	5	0.48	0.41	0.26
(2,3825)	1:40:A:LEU:HD13	1:36:A:ARG:HA	5	0.48	0.41	0.26
(2,3825)	1:40:A:LEU:HD11	1:36:A:ARG:HA	5	0.48	0.41	0.26
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD23	5	0.47	0.06	0.47
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD22	5	0.47	0.06	0.47
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD21	5	0.47	0.06	0.47
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD23	5	0.47	0.06	0.47
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD22	5	0.47	0.06	0.47
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD21	5	0.47	0.06	0.47
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD21	5	0.47	0.07	0.43
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD23	5	0.47	0.07	0.43
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD22	5	0.47	0.07	0.43
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD21	5	0.46	0.07	0.42
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD23	5	0.46	0.07	0.42
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD22	5	0.46	0.07	0.42
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	5	0.46	0.2	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	5	0.46	0.19	0.54
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD22	5	0.41	0.06	0.44
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD21	5	0.41	0.06	0.44
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD23	5	0.41	0.06	0.44
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD22	5	0.41	0.06	0.45
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD21	5	0.41	0.06	0.45
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD23	5	0.41	0.06	0.45
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	5	0.41	0.13	0.46
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	5	0.4	0.14	0.46
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	5	0.39	0.05	0.38
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	5	0.39	0.05	0.38
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	5	0.38	0.02	0.39
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	5	0.37	0.02	0.38
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD23	5	0.37	0.06	0.37
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD22	5	0.37	0.06	0.37
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD21	5	0.37	0.06	0.37
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD23	5	0.37	0.06	0.37
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD22	5	0.37	0.06	0.37
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD21	5	0.37	0.06	0.37
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	5	0.37	0.13	0.32
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	5	0.37	0.12	0.4
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	5	0.36	0.12	0.39
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	5	0.36	0.13	0.31
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	5	0.36	0.07	0.35
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	5	0.35	0.07	0.35
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	5	0.34	0.05	0.34
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	5	0.34	0.05	0.33
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	5	0.34	0.17	0.33
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD13	5	0.33	0.15	0.28
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD11	5	0.33	0.15	0.28
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	5	0.33	0.17	0.33
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD13	5	0.33	0.14	0.28
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD11	5	0.33	0.14	0.28
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD12	5	0.32	0.1	0.35
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD11	5	0.32	0.1	0.35
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD12	5	0.31	0.1	0.35
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD11	5	0.31	0.1	0.35
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD13	5	0.31	0.09	0.29
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD12	5	0.31	0.09	0.29
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD11	5	0.31	0.09	0.29
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD13	5	0.31	0.09	0.3
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD12	5	0.31	0.09	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD11	5	0.31	0.09	0.3
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD22	5	0.3	0.09	0.25
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD21	5	0.3	0.09	0.25
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD23	5	0.3	0.09	0.25
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	5	0.24	0.02	0.25
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	5	0.24	0.01	0.24
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	5	0.24	0.05	0.23
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	5	0.24	0.05	0.23
(2,3844)	1:43:B:LEU:HD21	1:26:B:TYR:HD1	5	0.23	0.1	0.22
(2,3844)	1:43:B:LEU:HD22	1:26:B:TYR:HD1	5	0.23	0.1	0.22
(2,3844)	1:43:B:LEU:HD23	1:26:B:TYR:HD2	5	0.23	0.1	0.22
(2,3844)	1:43:B:LEU:HD22	1:26:B:TYR:HD2	5	0.23	0.1	0.22
(2,3844)	1:43:B:LEU:HD23	1:26:B:TYR:HD1	5	0.23	0.1	0.22
(2,3843)	1:43:A:LEU:HD21	1:26:A:TYR:HD1	5	0.22	0.09	0.22
(2,3843)	1:43:A:LEU:HD22	1:26:A:TYR:HD1	5	0.22	0.09	0.22
(2,3843)	1:43:A:LEU:HD23	1:26:A:TYR:HD2	5	0.22	0.09	0.22
(2,3843)	1:43:A:LEU:HD22	1:26:A:TYR:HD2	5	0.22	0.09	0.22
(2,3843)	1:43:A:LEU:HD23	1:26:A:TYR:HD1	5	0.22	0.09	0.22
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD12	5	0.21	0.09	0.22
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD11	5	0.21	0.09	0.22
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD12	5	0.21	0.08	0.21
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD11	5	0.21	0.08	0.21
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG23	5	0.2	0.05	0.23
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG22	5	0.2	0.05	0.23
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG21	5	0.2	0.05	0.23
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	5	0.2	0.09	0.18
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	5	0.2	0.09	0.18
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG23	5	0.19	0.05	0.23
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG22	5	0.19	0.05	0.23
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG21	5	0.19	0.05	0.23
(1,1731)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	5	0.19	0.05	0.19
(1,1731)	1:64:A:TYR:HB2	1:60:A:LEU:HD22	5	0.19	0.05	0.19
(1,1731)	1:64:A:TYR:HB2	1:60:A:LEU:HD21	5	0.19	0.05	0.19
(1,1732)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	5	0.19	0.05	0.19
(1,1732)	1:64:B:TYR:HB2	1:60:B:LEU:HD22	5	0.19	0.05	0.19
(1,1732)	1:64:B:TYR:HB2	1:60:B:LEU:HD21	5	0.19	0.05	0.19
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	5	0.18	0.05	0.16
(1,2394)	1:35:B:LEU:HD22	1:39:B:HIS:H	5	0.18	0.05	0.18
(1,2394)	1:35:B:LEU:HD23	1:39:B:HIS:H	5	0.18	0.05	0.18
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	5	0.18	0.05	0.15
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	5	0.18	0.05	0.15
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD23	5	0.18	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD22	5	0.18	0.04	0.19
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD21	5	0.18	0.04	0.19
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	5	0.17	0.05	0.15
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD23	5	0.17	0.04	0.19
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD22	5	0.17	0.04	0.19
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD21	5	0.17	0.04	0.19
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD12	5	0.17	0.04	0.18
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD11	5	0.17	0.04	0.18
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD13	5	0.17	0.04	0.18
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD12	5	0.17	0.04	0.18
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD11	5	0.17	0.04	0.18
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD13	5	0.17	0.04	0.18
(2,3856)	1:23:B:LEU:HD22	1:24:B:ASN:HD21	5	0.16	0.05	0.14
(2,3856)	1:23:B:LEU:HD21	1:24:B:ASN:HD21	5	0.16	0.05	0.14
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	5	0.15	0.03	0.14
(2,4042)	1:35:B:LEU:HD13	1:58:B:ALA:HB3	5	0.15	0.03	0.15
(2,4042)	1:35:B:LEU:HD13	1:58:B:ALA:HB2	5	0.15	0.03	0.15
(2,4042)	1:35:B:LEU:HD12	1:58:B:ALA:HB1	5	0.15	0.03	0.15
(2,4042)	1:35:B:LEU:HD11	1:58:B:ALA:HB1	5	0.15	0.03	0.15
(2,4042)	1:35:B:LEU:HD12	1:58:B:ALA:HB2	5	0.15	0.03	0.15
(2,4041)	1:35:A:LEU:HD13	1:58:A:ALA:HB3	5	0.15	0.03	0.15
(2,4041)	1:35:A:LEU:HD13	1:58:A:ALA:HB2	5	0.15	0.03	0.15
(2,4041)	1:35:A:LEU:HD12	1:58:A:ALA:HB1	5	0.15	0.03	0.15
(2,4041)	1:35:A:LEU:HD11	1:58:A:ALA:HB1	5	0.15	0.03	0.15
(2,4041)	1:35:A:LEU:HD12	1:58:A:ALA:HB2	5	0.15	0.03	0.15
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	5	0.15	0.03	0.14
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD23	5	0.15	0.05	0.14
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD22	5	0.15	0.05	0.14
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD21	5	0.15	0.05	0.14
(1,3066)	1:64:B:TYR:HE2	1:61:A:LEU:HD23	5	0.15	0.05	0.14
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD12	5	0.15	0.04	0.14
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD11	5	0.15	0.04	0.14
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD13	5	0.15	0.04	0.14
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD12	5	0.15	0.03	0.15
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD11	5	0.15	0.03	0.15
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD13	5	0.15	0.03	0.15
(2,3855)	1:23:A:LEU:HD22	1:24:A:ASN:HD21	5	0.15	0.05	0.13
(2,3855)	1:23:A:LEU:HD21	1:24:A:ASN:HD21	5	0.15	0.05	0.13
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD23	5	0.15	0.05	0.14
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD22	5	0.15	0.05	0.14
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD21	5	0.15	0.05	0.14
(1,3065)	1:64:A:TYR:HE2	1:61:B:LEU:HD23	5	0.15	0.05	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	5	0.15	0.04	0.12
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	5	0.14	0.02	0.14
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	5	0.14	0.04	0.12
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	5	0.14	0.02	0.14
(1,2550)	1:5:B:LEU:HD23	1:29:B:LEU:H	5	0.14	0.04	0.12
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD23	5	0.14	0.04	0.12
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD21	5	0.14	0.04	0.12
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	5	0.13	0.02	0.14
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	5	0.13	0.02	0.13
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	5	0.12	0.02	0.12
(1,2065)	1:33:A:LYS:HD2	1:34:A:GLU:HG3	4	0.9	0.05	0.9
(1,2066)	1:33:B:LYS:HD2	1:34:B:GLU:HG3	4	0.9	0.05	0.9
(1,985)	1:19:A:SER:HB3	1:22:A:LEU:HB3	4	0.9	0.4	1.12
(1,986)	1:19:B:SER:HB3	1:22:B:LEU:HB3	4	0.9	0.4	1.12
(2,2685)	1:7:A:GLU:HG2	1:6:A:HIS:HB2	4	0.88	0.44	1.09
(2,2686)	1:7:B:GLU:HG2	1:6:B:HIS:HB2	4	0.88	0.43	1.08
(1,3051)	1:6:A:HIS:HD2	1:15:A:GLU:HB2	4	0.75	0.19	0.7
(1,3052)	1:6:B:HIS:HD2	1:15:B:GLU:HB2	4	0.75	0.2	0.7
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD11	4	0.67	0.21	0.75
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD12	4	0.67	0.21	0.75
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD11	4	0.67	0.21	0.75
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD12	4	0.67	0.21	0.75
(2,1270)	1:44:B:ASN:HD22	1:45:B:ILE:HA	4	0.6	0.4	0.52
(2,1269)	1:44:A:ASN:HD22	1:45:A:ILE:HA	4	0.59	0.4	0.52
(1,2573)	1:43:A:LEU:HD22	1:40:A:LEU:HG	4	0.58	0.59	0.28
(1,2573)	1:43:A:LEU:HD23	1:40:A:LEU:HG	4	0.58	0.59	0.28
(1,2574)	1:43:B:LEU:HD22	1:40:B:LEU:HG	4	0.58	0.59	0.28
(1,2574)	1:43:B:LEU:HD23	1:40:B:LEU:HG	4	0.58	0.59	0.28
(1,2479)	1:40:A:LEU:HD12	1:21:A:LEU:HA	4	0.52	0.22	0.58
(1,2479)	1:40:A:LEU:HD11	1:52:A:ALA:HA	4	0.52	0.22	0.58
(1,2479)	1:40:A:LEU:HD13	1:52:A:ALA:HA	4	0.52	0.22	0.58
(1,2480)	1:40:B:LEU:HD12	1:21:B:LEU:HA	4	0.52	0.22	0.58
(1,2480)	1:40:B:LEU:HD11	1:52:B:ALA:HA	4	0.52	0.22	0.58
(1,2480)	1:40:B:LEU:HD13	1:52:B:ALA:HA	4	0.52	0.22	0.58
(2,649)	1:34:A:GLU:H	1:34:A:GLU:HG3	4	0.5	0.07	0.5
(2,650)	1:34:B:GLU:H	1:34:B:GLU:HG3	4	0.49	0.07	0.49
(1,3035)	1:49:A:GLN:H	1:50:A:HIS:HD2	4	0.33	0.09	0.34
(1,3036)	1:49:B:GLN:H	1:50:B:HIS:HD2	4	0.32	0.1	0.33
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD12	4	0.27	0.07	0.27
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD13	4	0.27	0.07	0.27
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD11	4	0.27	0.07	0.27
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD12	4	0.27	0.07	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD13	4	0.27	0.07	0.27
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD11	4	0.27	0.07	0.27
(1,3127)	1:49:A:GLN:HB3	1:49:B:GLN:HA	4	0.26	0.14	0.24
(1,3127)	1:49:A:GLN:HB3	1:52:B:ALA:HA	4	0.26	0.14	0.24
(1,3128)	1:49:B:GLN:HB3	1:49:A:GLN:HA	4	0.25	0.14	0.24
(1,3128)	1:49:B:GLN:HB3	1:52:A:ALA:HA	4	0.25	0.14	0.24
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD11	4	0.24	0.05	0.24
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD13	4	0.24	0.05	0.24
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD11	4	0.24	0.05	0.24
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD13	4	0.24	0.05	0.24
(2,3673)	1:35:A:LEU:HD12	1:55:A:LEU:HD11	4	0.23	0.05	0.23
(2,3673)	1:35:A:LEU:HD11	1:55:A:LEU:HD12	4	0.23	0.05	0.23
(2,3674)	1:35:B:LEU:HD12	1:55:B:LEU:HD11	4	0.23	0.05	0.23
(2,3674)	1:35:B:LEU:HD11	1:55:B:LEU:HD12	4	0.23	0.05	0.23
(1,1440)	1:36:B:ARG:HD3	1:34:B:GLU:H	4	0.22	0.1	0.18
(1,1439)	1:36:A:ARG:HD3	1:34:A:GLU:H	4	0.21	0.1	0.18
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE1	4	0.21	0.1	0.16
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE2	4	0.21	0.1	0.16
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD11	4	0.21	0.03	0.2
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD13	4	0.21	0.03	0.2
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD11	4	0.21	0.03	0.2
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD13	4	0.21	0.03	0.2
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE1	4	0.2	0.09	0.16
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE2	4	0.2	0.09	0.16
(1,2602)	1:60:B:LEU:HD13	1:57:A:ALA:HA	4	0.2	0.09	0.18
(1,2602)	1:60:B:LEU:HD11	1:57:A:ALA:HA	4	0.2	0.09	0.18
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD2	4	0.2	0.05	0.22
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD1	4	0.2	0.05	0.22
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD2	4	0.2	0.05	0.22
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD1	4	0.2	0.05	0.22
(1,2601)	1:60:A:LEU:HD13	1:57:B:ALA:HA	4	0.2	0.08	0.18
(1,2601)	1:60:A:LEU:HD11	1:57:B:ALA:HA	4	0.2	0.08	0.18
(1,2315)	1:9:A:LEU:HD22	1:5:A:LEU:HA	4	0.18	0.04	0.19
(1,2315)	1:9:A:LEU:HD23	1:5:A:LEU:HA	4	0.18	0.04	0.19
(1,2316)	1:9:B:LEU:HD22	1:5:B:LEU:HA	4	0.18	0.04	0.19
(1,2316)	1:9:B:LEU:HD23	1:5:B:LEU:HA	4	0.18	0.04	0.19
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG21	4	0.18	0.05	0.16
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG23	4	0.18	0.05	0.16
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG22	4	0.18	0.05	0.16
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG21	4	0.17	0.05	0.16
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG23	4	0.17	0.05	0.16
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG22	4	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD23	4	0.16	0.04	0.16
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD22	4	0.16	0.04	0.16
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD23	4	0.16	0.04	0.16
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD22	4	0.16	0.04	0.16
(1,3)	1:53:A:LYS:H	1:53:B:LYS:HA	4	0.16	0.07	0.12
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD13	4	0.16	0.1	0.11
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD11	4	0.16	0.1	0.11
(1,3142)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(1,3142)	1:62:B:LEU:HD21	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(1,3142)	1:62:B:LEU:HD22	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(1,3176)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(1,3176)	1:62:B:LEU:HD21	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(1,3176)	1:62:B:LEU:HD22	1:11:A:ARG:HG2	4	0.16	0.05	0.15
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD23	4	0.16	0.03	0.17
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD21	4	0.16	0.03	0.17
(1,4)	1:53:B:LYS:H	1:53:A:LYS:HA	4	0.16	0.06	0.12
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD13	4	0.16	0.09	0.11
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD11	4	0.16	0.09	0.11
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD22	4	0.16	0.03	0.16
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD21	4	0.16	0.03	0.16
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD22	4	0.15	0.02	0.16
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD21	4	0.15	0.02	0.16
(1,2549)	1:5:A:LEU:HD23	1:29:A:LEU:H	4	0.14	0.03	0.14
(1,2549)	1:5:A:LEU:H	1:5:A:LEU:HD21	4	0.14	0.03	0.14
(1,2549)	1:5:A:LEU:H	1:5:A:LEU:HD23	4	0.14	0.03	0.14
(2,135)	1:4:A:THR:H	1:7:A:GLU:HA	4	0.14	0.03	0.15
(2,136)	1:4:B:THR:H	1:7:B:GLU:HA	4	0.14	0.03	0.15
(1,2463)	1:12:A:ILE:HG13	1:14:A:LEU:HB3	4	0.14	0.01	0.14
(1,2464)	1:12:B:ILE:HG13	1:14:B:LEU:HB3	4	0.14	0.01	0.14
(2,2103)	1:47:A:ASP:HA	1:48:A:PRO:HD2	4	0.14	0.01	0.13
(2,621)	1:33:A:LYS:H	1:33:A:LYS:HG3	4	0.14	0.03	0.12
(2,622)	1:33:B:LYS:H	1:33:B:LYS:HG3	4	0.13	0.03	0.12
(2,3516)	1:13:B:GLY:H	1:14:B:LEU:HG	4	0.13	0.02	0.12
(2,2933)	1:48:A:PRO:HB2	1:47:A:ASP:HA	4	0.13	0.01	0.12
(2,2766)	1:34:B:GLU:HG2	1:33:B:LYS:HA	4	0.12	0.02	0.12
(2,2934)	1:48:B:PRO:HB2	1:47:B:ASP:HA	4	0.12	0.01	0.12
(2,2763)	1:34:A:GLU:HG2	1:34:A:GLU:HB3	4	0.12	0.01	0.13
(2,2764)	1:34:B:GLU:HG2	1:34:B:GLU:HB3	4	0.12	0.01	0.13
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD23	4	0.12	0.01	0.12
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD21	4	0.12	0.01	0.12
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD22	4	0.12	0.01	0.12
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD23	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD21	4	0.12	0.01	0.12
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD22	4	0.12	0.01	0.12
(2,2692)	1:7:B:GLU:HG2	1:5:B:LEU:H	3	0.98	0.05	0.98
(2,2691)	1:7:A:GLU:HG2	1:5:A:LEU:H	3	0.98	0.05	0.98
(1,2637)	1:55:A:LEU:HD11	1:54:A:LEU:HD23	3	0.74	0.09	0.79
(1,2637)	1:55:A:LEU:HD11	1:54:A:LEU:HD21	3	0.74	0.09	0.79
(1,2637)	1:55:A:LEU:HD12	1:54:A:LEU:HD22	3	0.74	0.09	0.79
(1,2638)	1:55:B:LEU:HD11	1:54:B:LEU:HD23	3	0.74	0.09	0.79
(1,2638)	1:55:B:LEU:HD11	1:54:B:LEU:HD21	3	0.74	0.09	0.79
(1,2638)	1:55:B:LEU:HD12	1:54:B:LEU:HD22	3	0.74	0.09	0.79
(2,2684)	1:7:B:GLU:HG2	1:4:B:THR:HG23	3	0.73	0.05	0.73
(2,2684)	1:7:B:GLU:HG2	1:4:B:THR:HG21	3	0.73	0.05	0.73
(2,2683)	1:7:A:GLU:HG2	1:4:A:THR:HG23	3	0.73	0.05	0.73
(2,2683)	1:7:A:GLU:HG2	1:4:A:THR:HG21	3	0.73	0.05	0.73
(1,3184)	1:69:B:GLU:HG2	1:66:A:THR:H	3	0.61	0.22	0.72
(1,3183)	1:69:A:GLU:HG2	1:66:B:THR:H	3	0.6	0.24	0.7
(2,1593)	1:37:A:GLU:HA	1:51:A:ARG:HG3	3	0.56	0.29	0.41
(2,1594)	1:37:B:GLU:HA	1:51:B:ARG:HG3	3	0.56	0.29	0.41
(2,3665)	1:40:A:LEU:HD12	1:40:A:LEU:HA	3	0.53	0.06	0.55
(2,3665)	1:40:A:LEU:HD11	1:40:A:LEU:HA	3	0.53	0.06	0.55
(2,3666)	1:40:B:LEU:HD12	1:40:B:LEU:HA	3	0.53	0.06	0.55
(2,3666)	1:40:B:LEU:HD11	1:40:B:LEU:HA	3	0.53	0.06	0.55
(1,1823)	1:7:A:GLU:HG2	1:4:A:THR:HB	3	0.48	0.05	0.46
(1,1824)	1:7:B:GLU:HG2	1:4:B:THR:HB	3	0.48	0.04	0.45
(2,3393)	1:39:A:HIS:H	1:55:A:LEU:HG	3	0.42	0.03	0.43
(2,3394)	1:39:B:HIS:H	1:55:B:LEU:HG	3	0.42	0.03	0.43
(2,2666)	1:44:B:ASN:HB3	1:44:B:ASN:HD22	3	0.38	0.15	0.48
(2,2665)	1:44:A:ASN:HB3	1:44:A:ASN:HD22	3	0.37	0.15	0.47
(2,3945)	1:55:A:LEU:HD13	1:40:A:LEU:H	3	0.35	0.13	0.44
(2,3945)	1:55:A:LEU:HD11	1:40:A:LEU:H	3	0.35	0.13	0.44
(2,3946)	1:55:B:LEU:HD13	1:40:B:LEU:H	3	0.35	0.13	0.44
(2,3946)	1:55:B:LEU:HD11	1:40:B:LEU:H	3	0.35	0.13	0.44
(1,3124)	1:11:B:ARG:HB3	1:60:A:LEU:H	3	0.27	0.07	0.29
(1,3123)	1:11:A:ARG:HB3	1:60:B:LEU:H	3	0.26	0.08	0.28
(1,3157)	1:66:A:THR:HG22	1:63:B:ASP:HB3	3	0.26	0.18	0.16
(1,3157)	1:66:A:THR:HG21	1:63:B:ASP:HB3	3	0.26	0.18	0.16
(1,3158)	1:66:B:THR:HG22	1:63:A:ASP:HB3	3	0.26	0.18	0.15
(1,3158)	1:66:B:THR:HG21	1:63:A:ASP:HB3	3	0.26	0.18	0.15
(1,845)	1:7:A:GLU:H	1:29:A:LEU:HG	3	0.26	0.11	0.31
(1,846)	1:7:B:GLU:H	1:29:B:LEU:HG	3	0.25	0.11	0.3
(1,2200)	1:29:B:LEU:HG	1:3:B:LYS:HB3	3	0.24	0.05	0.26
(1,2200)	1:29:B:LEU:HG	1:7:B:GLU:HB2	3	0.24	0.05	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2199)	1:29:A:LEU:HG	1:3:A:LYS:HB3	3	0.24	0.05	0.25
(1,2199)	1:29:A:LEU:HG	1:7:A:GLU:HB2	3	0.24	0.05	0.25
(2,898)	1:47:B:ASP:H	1:50:B:HIS:HD2	3	0.24	0.05	0.27
(2,897)	1:47:A:ASP:H	1:50:A:HIS:HD2	3	0.24	0.06	0.27
(2,1517)	1:38:A:THR:HA	1:40:A:LEU:HB3	3	0.24	0.08	0.24
(2,1518)	1:38:B:THR:HA	1:40:B:LEU:HB3	3	0.24	0.09	0.24
(2,3971)	1:9:A:LEU:HD13	1:32:A:PHE:HZ	3	0.24	0.06	0.21
(2,3971)	1:9:A:LEU:HD12	1:32:A:PHE:HZ	3	0.24	0.06	0.21
(2,3971)	1:9:A:LEU:HD11	1:32:A:PHE:HZ	3	0.24	0.06	0.21
(2,3972)	1:9:B:LEU:HD13	1:32:B:PHE:HZ	3	0.23	0.06	0.2
(2,3972)	1:9:B:LEU:HD12	1:32:B:PHE:HZ	3	0.23	0.06	0.2
(2,3972)	1:9:B:LEU:HD11	1:32:B:PHE:HZ	3	0.23	0.06	0.2
(2,2790)	1:59:B:GLU:H	1:59:B:GLU:HG3	3	0.23	0.02	0.22
(2,4732)	1:52:B:ALA:HB2	1:53:A:LYS:H	3	0.23	0.13	0.16
(2,4732)	1:52:B:ALA:HB1	1:53:A:LYS:H	3	0.23	0.13	0.16
(2,3908)	1:13:B:GLY:HA3	1:14:B:LEU:HD11	3	0.22	0.07	0.2
(2,3908)	1:13:B:GLY:HA3	1:14:B:LEU:HD12	3	0.22	0.07	0.2
(2,4731)	1:52:A:ALA:HB2	1:53:B:LYS:H	3	0.22	0.13	0.15
(2,4731)	1:52:A:ALA:HB1	1:53:B:LYS:H	3	0.22	0.13	0.15
(2,2789)	1:59:A:GLU:H	1:59:A:GLU:HG3	3	0.22	0.01	0.21
(2,3907)	1:13:A:GLY:HA3	1:14:A:LEU:HD11	3	0.22	0.07	0.2
(2,3907)	1:13:A:GLY:HA3	1:14:A:LEU:HD12	3	0.22	0.07	0.2
(1,1432)	1:38:B:THR:H	1:36:B:ARG:HD2	3	0.21	0.07	0.19
(2,625)	1:33:A:LYS:H	1:34:A:GLU:HG3	3	0.21	0.04	0.21
(2,626)	1:33:B:LYS:H	1:34:B:GLU:HG3	3	0.21	0.05	0.19
(1,1431)	1:38:A:THR:H	1:36:A:ARG:HD2	3	0.21	0.07	0.19
(2,3929)	1:37:A:GLU:HB2	1:55:A:LEU:HD11	3	0.21	0.06	0.21
(2,3929)	1:37:A:GLU:HB2	1:55:A:LEU:HD12	3	0.21	0.06	0.21
(2,3579)	1:29:A:LEU:HD13	1:64:B:TYR:HD2	3	0.2	0.07	0.24
(2,3579)	1:29:A:LEU:HD11	1:64:B:TYR:HD2	3	0.2	0.07	0.24
(2,3579)	1:29:A:LEU:HD11	1:64:B:TYR:HD1	3	0.2	0.07	0.24
(2,3930)	1:37:B:GLU:HB2	1:55:B:LEU:HD11	3	0.2	0.06	0.21
(2,3930)	1:37:B:GLU:HB2	1:55:B:LEU:HD12	3	0.2	0.06	0.21
(2,3580)	1:29:B:LEU:HD13	1:64:A:TYR:HD2	3	0.19	0.05	0.21
(2,3580)	1:29:B:LEU:HD11	1:64:A:TYR:HD2	3	0.19	0.05	0.21
(2,3580)	1:29:B:LEU:HD11	1:64:A:TYR:HD1	3	0.19	0.05	0.21
(2,1527)	1:2:A:PRO:HA	1:3:A:LYS:HG2	3	0.19	0.06	0.16
(2,1528)	1:2:B:PRO:HA	1:3:B:LYS:HG2	3	0.19	0.05	0.16
(2,4355)	1:34:A:GLU:HG2	1:26:A:TYR:HE2	3	0.19	0.09	0.13
(2,4355)	1:34:A:GLU:HG2	1:26:A:TYR:HE1	3	0.19	0.09	0.13
(2,4356)	1:34:B:GLU:HG2	1:26:B:TYR:HE2	3	0.19	0.09	0.13
(2,4356)	1:34:B:GLU:HG2	1:26:B:TYR:HE1	3	0.19	0.09	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2399)	1:8:A:LEU:HD13	1:11:A:ARG:HB3	3	0.18	0.04	0.19
(1,2399)	1:8:A:LEU:HD12	1:11:A:ARG:HB3	3	0.18	0.04	0.19
(1,2399)	1:8:A:LEU:HD12	1:11:A:ARG:HB2	3	0.18	0.04	0.19
(1,2400)	1:8:B:LEU:HD13	1:11:B:ARG:HB3	3	0.18	0.04	0.19
(1,2400)	1:8:B:LEU:HD12	1:11:B:ARG:HB3	3	0.18	0.04	0.19
(1,2400)	1:8:B:LEU:HD12	1:11:B:ARG:HB2	3	0.18	0.04	0.19
(1,795)	1:68:A:CYS:H	1:69:A:GLU:H	3	0.18	0.02	0.18
(1,796)	1:68:B:CYS:H	1:69:B:GLU:H	3	0.18	0.03	0.19
(1,2307)	1:45:A:ILE:HG12	1:40:A:LEU:HB2	3	0.18	0.08	0.13
(1,2307)	1:45:A:ILE:HG12	1:46:A:MET:HE2	3	0.18	0.08	0.13
(1,2308)	1:45:B:ILE:HG12	1:40:B:LEU:HB2	3	0.18	0.08	0.13
(1,2308)	1:45:B:ILE:HG12	1:46:B:MET:HE2	3	0.18	0.08	0.13
(1,1422)	1:46:B:MET:H	1:51:B:ARG:HD2	3	0.17	0.06	0.17
(2,3292)	1:48:B:PRO:HG2	1:49:A:GLN:HE22	3	0.17	0.06	0.14
(1,426)	1:35:B:LEU:H	1:32:B:PHE:HB2	3	0.17	0.01	0.16
(1,425)	1:35:A:LEU:H	1:32:A:PHE:HB2	3	0.16	0.01	0.16
(1,539)	1:50:A:HIS:H	1:52:B:ALA:HB2	3	0.16	0.03	0.16
(1,539)	1:50:A:HIS:H	1:52:A:ALA:HB3	3	0.16	0.03	0.16
(1,539)	1:50:A:HIS:H	1:52:A:ALA:HB2	3	0.16	0.03	0.16
(1,2866)	1:7:B:GLU:HG3	1:3:B:LYS:HA	3	0.16	0.05	0.15
(1,540)	1:50:B:HIS:H	1:52:A:ALA:HB2	3	0.16	0.03	0.16
(1,540)	1:50:B:HIS:H	1:52:B:ALA:HB3	3	0.16	0.03	0.16
(1,540)	1:50:B:HIS:H	1:52:B:ALA:HB2	3	0.16	0.03	0.16
(1,2865)	1:7:A:GLU:HG3	1:3:A:LYS:HA	3	0.16	0.05	0.15
(1,44)	1:53:B:LYS:H	1:53:A:LYS:HG3	3	0.15	0.05	0.12
(2,40)	1:52:B:ALA:H	1:53:A:LYS:HE3	3	0.15	0.04	0.13
(2,3291)	1:48:A:PRO:HG2	1:49:B:GLN:HE22	3	0.15	0.04	0.13
(1,2603)	1:59:A:GLU:H	1:60:A:LEU:HD12	3	0.15	0.02	0.15
(1,2603)	1:59:A:GLU:H	1:60:A:LEU:HD13	3	0.15	0.02	0.15
(1,2604)	1:59:B:GLU:H	1:60:B:LEU:HD12	3	0.15	0.02	0.15
(1,2604)	1:59:B:GLU:H	1:60:B:LEU:HD13	3	0.15	0.02	0.15
(2,1293)	1:8:A:LEU:H	1:6:A:HIS:HB2	3	0.14	0.02	0.15
(2,3721)	1:27:A:GLN:HG2	1:22:A:LEU:HD13	3	0.14	0.02	0.13
(1,70)	1:4:B:THR:H	1:2:B:PRO:HA	3	0.14	0.02	0.13
(1,70)	1:4:B:THR:H	1:3:B:LYS:HA	3	0.14	0.02	0.13
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD12	3	0.14	0.03	0.14
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD11	3	0.14	0.03	0.14
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD13	3	0.14	0.03	0.14
(2,3779)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	3	0.14	0.04	0.12
(2,3779)	1:35:A:LEU:HD23	1:21:A:LEU:HD12	3	0.14	0.04	0.12
(2,3780)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	3	0.14	0.04	0.12
(2,3780)	1:35:B:LEU:HD23	1:21:B:LEU:HD12	3	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3722)	1:27:B:GLN:HG2	1:22:B:LEU:HD13	3	0.14	0.03	0.12
(1,69)	1:4:A:THR:H	1:2:A:PRO:HA	3	0.14	0.02	0.12
(1,69)	1:4:A:THR:H	1:3:A:LYS:HA	3	0.14	0.02	0.12
(2,1294)	1:8:B:LEU:H	1:6:B:HIS:HB2	3	0.14	0.02	0.14
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD22	3	0.14	0.02	0.14
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD21	3	0.14	0.02	0.14
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD23	3	0.14	0.02	0.14
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG21	3	0.14	0.02	0.15
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG22	3	0.14	0.02	0.15
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG23	3	0.14	0.02	0.15
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG21	3	0.14	0.02	0.15
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG22	3	0.14	0.02	0.15
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG23	3	0.14	0.02	0.15
(1,2661)	1:15:A:GLU:HA	1:9:A:LEU:HD12	3	0.13	0.02	0.13
(1,2661)	1:15:A:GLU:HA	1:9:A:LEU:HD13	3	0.13	0.02	0.13
(2,2693)	1:7:A:GLU:H	1:7:A:GLU:HG3	3	0.13	0.02	0.13
(2,2694)	1:7:B:GLU:H	1:7:B:GLU:HG3	3	0.13	0.02	0.12
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD22	3	0.13	0.02	0.14
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD21	3	0.13	0.02	0.14
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD23	3	0.13	0.02	0.14
(1,2662)	1:15:B:GLU:HA	1:9:B:LEU:HD12	3	0.13	0.02	0.13
(1,2662)	1:15:B:GLU:HA	1:9:B:LEU:HD13	3	0.13	0.02	0.13
(2,3527)	1:35:A:LEU:HB2	1:35:A:LEU:HD23	3	0.13	0.02	0.12
(2,3528)	1:35:B:LEU:HB2	1:35:B:LEU:HD23	3	0.13	0.02	0.12
(2,4657)	1:6:A:HIS:HB2	1:6:A:HIS:HD2	3	0.12	0.01	0.12
(2,4658)	1:6:B:HIS:HB2	1:6:B:HIS:HD2	3	0.12	0.01	0.12
(2,1602)	1:37:B:GLU:HA	1:36:B:ARG:HA	3	0.12	0.01	0.11
(1,491)	1:43:A:LEU:H	1:39:A:HIS:HB3	3	0.11	0.02	0.1
(1,491)	1:43:A:LEU:H	1:41:A:ASN:HB2	3	0.11	0.02	0.1
(2,1601)	1:37:A:GLU:HA	1:36:A:ARG:HA	3	0.11	0.0	0.11
(1,1309)	1:63:A:ASP:H	1:63:A:ASP:HA	3	0.1	0.0	0.1
(1,2202)	1:29:B:LEU:HG	1:30:B:GLU:HG2	2	1.86	0.64	1.86
(1,2201)	1:29:A:LEU:HG	1:30:A:GLU:HG2	2	1.86	0.63	1.86
(2,4106)	1:44:B:ASN:HD21	1:46:B:MET:HE3	2	1.48	0.77	1.48
(2,4105)	1:44:A:ASN:HD21	1:46:A:MET:HE3	2	1.47	0.77	1.47
(2,4662)	1:6:B:HIS:HD2	1:18:B:THR:HA	2	0.86	0.32	0.86
(2,4661)	1:6:A:HIS:HD2	1:18:A:THR:HA	2	0.86	0.34	0.86
(2,1393)	1:28:A:THR:HB	1:30:A:GLU:HG3	2	0.7	0.1	0.7
(2,1394)	1:28:B:THR:HB	1:30:B:GLU:HG3	2	0.7	0.09	0.7
(1,1847)	1:38:A:THR:HA	1:42:A:GLU:HG2	2	0.68	0.1	0.68
(1,1848)	1:38:B:THR:HA	1:42:B:GLU:HG2	2	0.68	0.1	0.68
(2,1265)	1:44:A:ASN:HD22	1:46:A:MET:HE3	2	0.68	0.24	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1266)	1:44:B:ASN:HD22	1:46:B:MET:HE3	2	0.67	0.24	0.67
(2,2711)	1:30:A:GLU:H	1:30:A:GLU:HG3	2	0.62	0.24	0.62
(2,2712)	1:30:B:GLU:H	1:30:B:GLU:HG3	2	0.62	0.24	0.62
(2,4018)	1:18:B:THR:HG23	1:6:B:HIS:HD2	2	0.52	0.29	0.52
(2,4018)	1:18:B:THR:HG21	1:6:B:HIS:HD2	2	0.52	0.29	0.52
(2,4017)	1:18:A:THR:HG23	1:6:A:HIS:HD2	2	0.51	0.29	0.51
(2,4017)	1:18:A:THR:HG21	1:6:A:HIS:HD2	2	0.51	0.29	0.51
(2,3120)	1:51:B:ARG:HG2	1:55:B:LEU:HD23	2	0.5	0.08	0.5
(2,3120)	1:51:B:ARG:HG2	1:55:B:LEU:HD21	2	0.5	0.08	0.5
(1,59)	1:3:A:LYS:H	1:69:B:GLU:HA	2	0.5	0.03	0.5
(2,3935)	1:36:A:ARG:HD3	1:55:A:LEU:HD13	2	0.5	0.22	0.5
(2,3935)	1:36:A:ARG:HD3	1:55:A:LEU:HD11	2	0.5	0.22	0.5
(1,60)	1:3:B:LYS:H	1:69:A:GLU:HA	2	0.5	0.04	0.5
(2,3119)	1:51:A:ARG:HG2	1:55:A:LEU:HD23	2	0.5	0.08	0.5
(2,3119)	1:51:A:ARG:HG2	1:55:A:LEU:HD21	2	0.5	0.08	0.5
(2,3936)	1:36:B:ARG:HD3	1:55:B:LEU:HD13	2	0.5	0.22	0.5
(2,3936)	1:36:B:ARG:HD3	1:55:B:LEU:HD11	2	0.5	0.22	0.5
(2,3937)	1:37:A:GLU:HA	1:55:A:LEU:HD13	2	0.48	0.03	0.48
(2,3938)	1:37:B:GLU:HA	1:55:B:LEU:HD13	2	0.48	0.04	0.48
(2,3591)	1:55:A:LEU:HD23	1:52:A:ALA:HA	2	0.38	0.05	0.38
(2,3591)	1:55:A:LEU:HD22	1:52:A:ALA:HA	2	0.38	0.05	0.38
(2,3592)	1:55:B:LEU:HD23	1:52:B:ALA:HA	2	0.38	0.05	0.38
(2,3592)	1:55:B:LEU:HD22	1:52:B:ALA:HA	2	0.38	0.05	0.38
(1,3126)	1:11:B:ARG:HB3	1:60:A:LEU:HD11	2	0.37	0.11	0.37
(1,3125)	1:11:A:ARG:HB3	1:60:B:LEU:HD11	2	0.36	0.12	0.36
(1,3172)	1:11:B:ARG:HB2	1:59:A:GLU:HA	2	0.33	0.1	0.33
(1,2295)	1:11:A:ARG:HG3	1:2:A:PRO:HD3	2	0.33	0.02	0.33
(1,2296)	1:11:B:ARG:HG3	1:2:B:PRO:HD3	2	0.33	0.02	0.33
(1,1637)	1:63:A:ASP:HB2	1:60:A:LEU:HD11	2	0.32	0.1	0.32
(1,1638)	1:63:B:ASP:HB2	1:60:B:LEU:HD11	2	0.32	0.12	0.32
(1,1455)	1:11:A:ARG:HD3	1:12:A:ILE:HB	2	0.32	0.01	0.32
(1,1456)	1:11:B:ARG:HD3	1:12:B:ILE:HB	2	0.32	0.01	0.32
(1,3076)	1:12:B:ILE:HG21	1:59:A:GLU:HB2	2	0.32	0.1	0.32
(1,3076)	1:12:B:ILE:HG23	1:59:A:GLU:HB2	2	0.32	0.1	0.32
(1,3171)	1:11:A:ARG:HB2	1:59:B:GLU:HA	2	0.32	0.1	0.32
(2,2587)	1:40:A:LEU:HB2	1:51:A:ARG:HG3	2	0.32	0.16	0.32
(2,2588)	1:40:B:LEU:HB2	1:51:B:ARG:HG3	2	0.32	0.16	0.32
(1,3075)	1:12:A:ILE:HG21	1:59:B:GLU:HB2	2	0.31	0.1	0.31
(1,3075)	1:12:A:ILE:HG23	1:59:B:GLU:HB2	2	0.31	0.1	0.31
(2,2733)	1:42:A:GLU:HG3	1:42:A:GLU:HB3	2	0.3	0.0	0.3
(2,2734)	1:42:B:GLU:HG3	1:42:B:GLU:HB3	2	0.3	0.0	0.3
(2,3942)	1:36:B:ARG:HA	1:55:B:LEU:HD11	2	0.3	0.06	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3941)	1:36:A:ARG:HA	1:55:A:LEU:HD11	2	0.29	0.07	0.29
(1,2361)	1:53:A:LYS:H	1:55:A:LEU:HD21	2	0.26	0.01	0.26
(1,2361)	1:53:A:LYS:H	1:55:A:LEU:HD23	2	0.26	0.01	0.26
(1,2362)	1:53:B:LYS:H	1:55:B:LEU:HD21	2	0.26	0.01	0.26
(1,2362)	1:53:B:LYS:H	1:55:B:LEU:HD23	2	0.26	0.01	0.26
(1,1937)	1:2:A:PRO:HB2	1:60:B:LEU:HA	2	0.25	0.05	0.25
(1,1938)	1:2:B:PRO:HB2	1:60:A:LEU:HA	2	0.25	0.05	0.25
(2,3329)	1:2:A:PRO:HG2	1:11:A:ARG:HD3	2	0.25	0.08	0.25
(2,3330)	1:2:B:PRO:HG2	1:11:B:ARG:HD3	2	0.25	0.08	0.25
(2,2521)	1:24:A:ASN:HB3	1:20:A:THR:HG21	2	0.24	0.1	0.24
(2,2521)	1:24:A:ASN:HB3	1:20:A:THR:HG23	2	0.24	0.1	0.24
(1,2751)	1:58:A:ALA:HB2	1:36:A:ARG:HD2	2	0.24	0.07	0.24
(1,2751)	1:58:A:ALA:HB2	1:32:A:PHE:HB2	2	0.24	0.07	0.24
(1,2752)	1:58:B:ALA:HB2	1:36:B:ARG:HD2	2	0.24	0.07	0.24
(1,2752)	1:58:B:ALA:HB2	1:32:B:PHE:HB2	2	0.24	0.07	0.24
(2,2522)	1:24:B:ASN:HB3	1:20:B:THR:HG21	2	0.24	0.11	0.24
(2,2522)	1:24:B:ASN:HB3	1:20:B:THR:HG23	2	0.24	0.11	0.24
(1,3132)	1:8:B:LEU:HD13	1:60:A:LEU:HG	2	0.24	0.05	0.24
(1,3132)	1:8:B:LEU:HD12	1:60:A:LEU:HG	2	0.24	0.05	0.24
(1,2777)	1:11:A:ARG:HB3	1:12:A:ILE:HG23	2	0.23	0.11	0.23
(1,2777)	1:11:A:ARG:HB3	1:12:A:ILE:HG22	2	0.23	0.11	0.23
(1,2876)	1:58:B:ALA:HA	1:34:B:GLU:HA	2	0.23	0.07	0.23
(1,3131)	1:8:A:LEU:HD13	1:60:B:LEU:HG	2	0.22	0.05	0.22
(1,3131)	1:8:A:LEU:HD12	1:60:B:LEU:HG	2	0.22	0.05	0.22
(1,2875)	1:58:A:ALA:HA	1:34:A:GLU:HA	2	0.22	0.06	0.22
(1,2778)	1:11:B:ARG:HB3	1:12:B:ILE:HG23	2	0.22	0.11	0.22
(1,2778)	1:11:B:ARG:HB3	1:12:B:ILE:HG22	2	0.22	0.11	0.22
(1,1862)	1:60:B:LEU:H	1:59:B:GLU:HG2	2	0.21	0.01	0.21
(1,1421)	1:46:A:MET:H	1:51:A:ARG:HD2	2	0.2	0.04	0.2
(1,2545)	1:5:A:LEU:HD23	1:31:A:ASP:H	2	0.2	0.02	0.2
(1,1861)	1:60:A:LEU:H	1:59:A:GLU:HG2	2	0.2	0.01	0.2
(1,2546)	1:5:B:LEU:HD23	1:31:B:ASP:H	2	0.2	0.01	0.2
(1,3134)	1:55:B:LEU:HD23	1:53:A:LYS:HD2	2	0.2	0.06	0.2
(1,3134)	1:55:B:LEU:HD22	1:53:A:LYS:HD2	2	0.2	0.06	0.2
(2,1799)	1:26:A:TYR:H	1:22:A:LEU:HA	2	0.2	0.06	0.2
(2,4043)	1:58:A:ALA:HB3	1:8:A:LEU:HD13	2	0.2	0.01	0.2
(2,4044)	1:58:B:ALA:HB3	1:8:B:LEU:HD13	2	0.2	0.01	0.2
(1,765)	1:67:A:GLY:H	1:68:A:CYS:HB3	2	0.19	0.04	0.19
(1,765)	1:67:A:GLY:H	1:64:A:TYR:HB2	2	0.19	0.04	0.19
(1,766)	1:67:B:GLY:H	1:68:B:CYS:HB3	2	0.19	0.04	0.19
(1,766)	1:67:B:GLY:H	1:64:B:TYR:HB2	2	0.19	0.04	0.19
(1,833)	1:8:A:LEU:H	1:29:A:LEU:HG	2	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,834)	1:8:B:LEU:H	1:29:B:LEU:HG	2	0.19	0.04	0.19
(2,1800)	1:26:B:TYR:H	1:22:B:LEU:HA	2	0.19	0.06	0.19
(1,43)	1:53:A:LYS:H	1:53:B:LYS:HG3	2	0.18	0.05	0.18
(1,3133)	1:55:A:LEU:HD23	1:53:B:LYS:HD2	2	0.18	0.04	0.18
(1,3133)	1:55:A:LEU:HD22	1:53:B:LYS:HD2	2	0.18	0.04	0.18
(2,3880)	1:17:B:HIS:HB3	1:20:B:THR:HG23	2	0.18	0.03	0.18
(2,39)	1:52:A:ALA:H	1:53:B:LYS:HE3	2	0.18	0.04	0.18
(2,3879)	1:17:A:HIS:HB3	1:20:A:THR:HG23	2	0.18	0.03	0.18
(2,4618)	1:14:B:LEU:HD23	1:50:B:HIS:HD2	2	0.18	0.06	0.18
(2,4618)	1:14:B:LEU:HD21	1:50:B:HIS:HD2	2	0.18	0.06	0.18
(2,4617)	1:14:A:LEU:HD23	1:50:A:HIS:HD2	2	0.17	0.05	0.17
(2,4617)	1:14:A:LEU:HD21	1:50:A:HIS:HD2	2	0.17	0.05	0.17
(2,1536)	1:2:B:PRO:HA	1:64:A:TYR:HE2	2	0.16	0.02	0.16
(2,1536)	1:2:B:PRO:HA	1:64:A:TYR:HE1	2	0.16	0.02	0.16
(2,4033)	1:41:A:ASN:HB2	1:38:A:THR:HG21	2	0.16	0.04	0.16
(1,2171)	1:3:A:LYS:HD2	1:3:A:LYS:HB3	2	0.16	0.01	0.16
(1,2938)	1:8:B:LEU:H	1:2:B:PRO:HD2	2	0.16	0.05	0.16
(2,809)	1:43:A:LEU:H	1:45:A:ILE:HD12	2	0.16	0.02	0.16
(2,809)	1:43:A:LEU:H	1:45:A:ILE:HD11	2	0.16	0.02	0.16
(2,1535)	1:2:A:PRO:HA	1:64:B:TYR:HE2	2	0.16	0.02	0.16
(2,1535)	1:2:A:PRO:HA	1:64:B:TYR:HE1	2	0.16	0.02	0.16
(2,2028)	1:63:B:ASP:HA	1:65:B:ASP:H	2	0.16	0.05	0.16
(2,3441)	1:17:A:HIS:HB2	1:21:A:LEU:HD21	2	0.16	0.03	0.16
(2,4034)	1:41:B:ASN:HB2	1:38:B:THR:HG21	2	0.16	0.04	0.16
(1,2172)	1:3:B:LYS:HD2	1:3:B:LYS:HB3	2	0.16	0.02	0.16
(1,187)	1:13:A:GLY:H	1:12:A:ILE:HD13	2	0.16	0.02	0.16
(1,2437)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	2	0.16	0.02	0.16
(1,2437)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	2	0.16	0.02	0.16
(1,2438)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	2	0.16	0.04	0.16
(1,2438)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	2	0.16	0.04	0.16
(1,2937)	1:8:A:LEU:H	1:2:A:PRO:HD2	2	0.16	0.05	0.16
(2,2027)	1:63:A:ASP:HA	1:65:A:ASP:H	2	0.16	0.05	0.16
(2,3442)	1:17:B:HIS:HB2	1:21:B:LEU:HD21	2	0.16	0.02	0.16
(2,656)	1:35:B:LEU:H	1:58:B:ALA:HB3	2	0.15	0.02	0.15
(2,4580)	1:32:B:PHE:HA	1:26:B:TYR:HE2	2	0.15	0.01	0.15
(1,188)	1:13:B:GLY:H	1:12:B:ILE:HD13	2	0.15	0.03	0.15
(2,655)	1:35:A:LEU:H	1:58:A:ALA:HB3	2	0.15	0.03	0.15
(1,1821)	1:7:A:GLU:HG2	1:7:A:GLU:HB2	2	0.14	0.0	0.14
(1,1822)	1:7:B:GLU:HG2	1:7:B:GLU:HB2	2	0.14	0.0	0.14
(1,2734)	1:52:B:ALA:HB2	1:50:A:HIS:H	2	0.14	0.02	0.14
(1,2734)	1:50:B:HIS:H	1:52:B:ALA:HB3	2	0.14	0.02	0.14
(2,827)	1:44:A:ASN:H	1:45:A:ILE:HD11	2	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,827)	1:44:A:ASN:H	1:45:A:ILE:HD13	2	0.14	0.01	0.14
(2,828)	1:44:B:ASN:H	1:45:B:ILE:HD11	2	0.14	0.01	0.14
(2,828)	1:44:B:ASN:H	1:45:B:ILE:HD13	2	0.14	0.01	0.14
(2,2443)	1:65:A:ASP:HB3	1:62:A:LEU:HD13	2	0.14	0.0	0.14
(2,2443)	1:65:A:ASP:HB3	1:62:A:LEU:HD11	2	0.14	0.0	0.14
(2,2444)	1:65:B:ASP:HB3	1:62:B:LEU:HD13	2	0.14	0.0	0.14
(2,2444)	1:65:B:ASP:HB3	1:62:B:LEU:HD11	2	0.14	0.0	0.14
(2,4351)	1:58:A:ALA:HB1	1:32:A:PHE:HD2	2	0.14	0.04	0.14
(2,4351)	1:58:A:ALA:HB1	1:32:A:PHE:HD1	2	0.14	0.04	0.14
(2,4579)	1:32:A:PHE:HA	1:26:A:TYR:HE2	2	0.14	0.01	0.14
(1,53)	1:36:A:ARG:H	1:35:A:LEU:HB2	2	0.14	0.01	0.14
(1,190)	1:13:B:GLY:H	1:14:B:LEU:HD21	2	0.14	0.02	0.14
(1,190)	1:13:B:GLY:H	1:14:B:LEU:HD22	2	0.14	0.02	0.14
(1,2543)	1:8:A:LEU:H	1:5:A:LEU:HD21	2	0.14	0.01	0.14
(1,2543)	1:8:A:LEU:H	1:5:A:LEU:HD23	2	0.14	0.01	0.14
(1,2544)	1:8:B:LEU:H	1:5:B:LEU:HD21	2	0.14	0.01	0.14
(1,2544)	1:8:B:LEU:H	1:5:B:LEU:HD23	2	0.14	0.01	0.14
(1,2733)	1:52:A:ALA:HB2	1:50:B:HIS:H	2	0.14	0.02	0.14
(1,2733)	1:50:A:HIS:H	1:52:A:ALA:HB3	2	0.14	0.02	0.14
(1,3130)	1:8:B:LEU:HD13	1:60:A:LEU:HD23	2	0.14	0.04	0.14
(1,3130)	1:8:B:LEU:HD12	1:60:A:LEU:HD23	2	0.14	0.04	0.14
(2,4051)	1:58:A:ALA:HB1	1:36:A:ARG:HA	2	0.14	0.02	0.14
(2,4051)	1:58:A:ALA:HB3	1:36:A:ARG:HA	2	0.14	0.02	0.14
(2,4052)	1:58:B:ALA:HB1	1:36:B:ARG:HA	2	0.14	0.02	0.14
(2,4052)	1:58:B:ALA:HB3	1:36:B:ARG:HA	2	0.14	0.02	0.14
(2,4352)	1:58:B:ALA:HB1	1:32:B:PHE:HD2	2	0.14	0.04	0.14
(2,4352)	1:58:B:ALA:HB1	1:32:B:PHE:HD1	2	0.14	0.04	0.14
(1,54)	1:36:B:ARG:H	1:35:B:LEU:HB2	2	0.13	0.01	0.13
(1,3129)	1:8:A:LEU:HD13	1:60:B:LEU:HD23	2	0.13	0.03	0.13
(1,3129)	1:8:A:LEU:HD12	1:60:B:LEU:HD23	2	0.13	0.03	0.13
(2,3625)	1:3:A:LYS:HA	1:3:A:LYS:HG3	2	0.12	0.02	0.12
(1,1651)	1:63:A:ASP:HB3	1:62:A:LEU:HG	2	0.12	0.01	0.12
(1,1652)	1:63:B:ASP:HB3	1:62:B:LEU:HG	2	0.12	0.01	0.12
(2,3071)	1:17:A:HIS:HB3	1:18:A:THR:HB	2	0.12	0.01	0.12
(2,3072)	1:17:B:HIS:HB3	1:18:B:THR:HB	2	0.12	0.01	0.12
(2,3955)	1:5:A:LEU:HG	1:9:A:LEU:HD12	2	0.12	0.0	0.12
(2,3956)	1:5:B:LEU:HG	1:9:B:LEU:HD12	2	0.12	0.0	0.12
(2,4091)	1:14:A:LEU:H	1:12:A:ILE:HG23	2	0.12	0.0	0.12
(2,4092)	1:14:B:LEU:H	1:12:B:ILE:HG23	2	0.12	0.0	0.12
(1,921)	1:56:A:THR:HA	1:59:A:GLU:HG2	2	0.12	0.02	0.12
(2,2485)	1:55:A:LEU:HB3	1:55:A:LEU:HD11	2	0.12	0.02	0.12
(2,2486)	1:55:B:LEU:HB3	1:55:B:LEU:HD11	2	0.12	0.02	0.12

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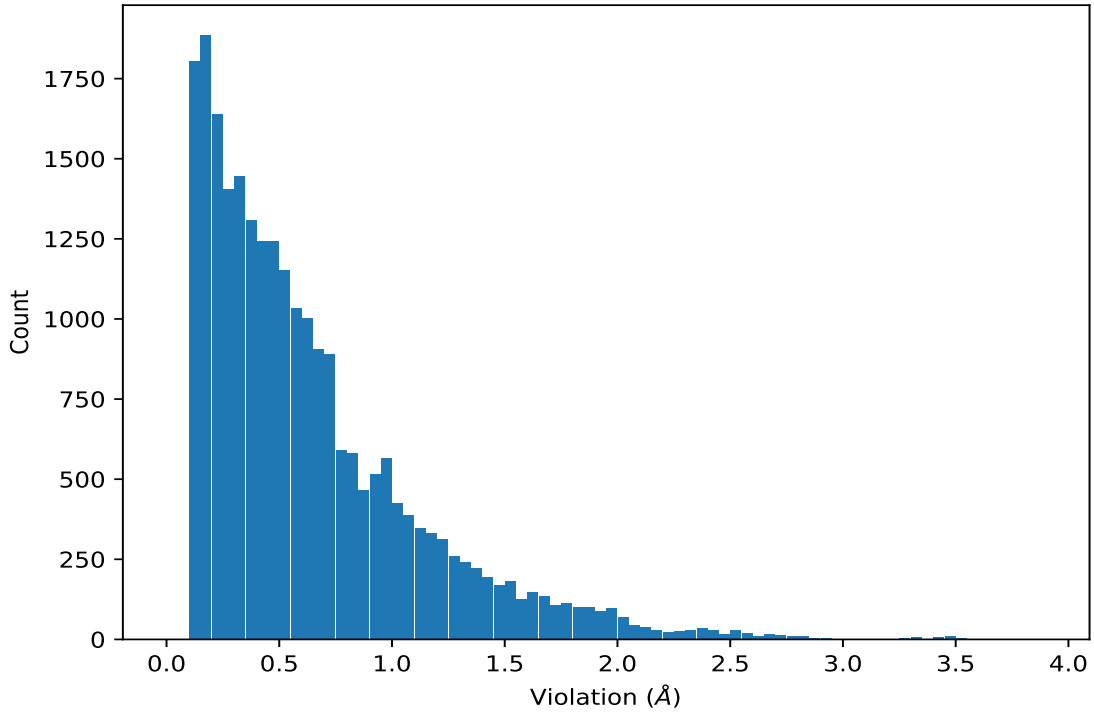
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3577)	1:29:A:LEU:HD11	1:4:A:THR:HA	2	0.12	0.0	0.12
(2,3577)	1:29:A:LEU:HD13	1:4:A:THR:HA	2	0.12	0.0	0.12
(2,3578)	1:29:B:LEU:HD11	1:4:B:THR:HA	2	0.12	0.0	0.12
(2,3578)	1:29:B:LEU:HD13	1:4:B:THR:HA	2	0.12	0.0	0.12
(1,1116)	1:59:B:GLU:HA	1:59:B:GLU:HB3	2	0.11	0.01	0.11
(1,1723)	1:9:A:LEU:HB2	1:15:A:GLU:HB3	2	0.11	0.0	0.11
(2,84)	1:67:B:GLY:H	1:69:A:GLU:H	2	0.11	0.01	0.11
(2,4584)	1:35:B:LEU:HD21	1:26:B:TYR:HE1	2	0.11	0.01	0.11
(2,4584)	1:35:B:LEU:HD23	1:26:B:TYR:HE1	2	0.11	0.01	0.11
(1,1115)	1:59:A:GLU:HA	1:59:A:GLU:HB3	2	0.11	0.0	0.11
(1,1724)	1:9:B:LEU:HB2	1:15:B:GLU:HB3	2	0.1	0.0	0.1
(2,2051)	1:44:A:ASN:HA	1:44:A:ASN: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)
(1,2644)	1:55:B:LEU:HD13	1:56:B:THR:HG22	14	3.86
(1,2643)	1:55:A:LEU:HD13	1:56:A:THR:HG22	14	3.85
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	9	3.81
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	9	3.8
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	8	3.7
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	8	3.7
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD23	4	3.61
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD23	4	3.6
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD23	11	3.52
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD22	6	3.52
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD23	15	3.5
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD23	15	3.49
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD22	1	3.47
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD22	6	3.47
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD23	10	3.47
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD23	11	3.47
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD23	10	3.46
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD22	1	3.46
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	2	3.46
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	2	3.45
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD22	14	3.43
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD22	9	3.42
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD22	14	3.42
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD23	8	3.42
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD22	9	3.42
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD21	5	3.4
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD21	5	3.38
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD23	8	3.38
(1,3163)	1:55:A:LEU:HD11	1:60:B:LEU:HD21	3	3.34
(1,3164)	1:55:B:LEU:HD13	1:60:A:LEU:HD21	13	3.33
(1,3164)	1:55:B:LEU:HD11	1:60:A:LEU:HD21	3	3.32
(1,3163)	1:55:A:LEU:HD13	1:60:B:LEU:HD21	13	3.32
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD23	2	3.31
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD23	2	3.31
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD22	7	3.3
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD23	12	3.3
(1,3164)	1:55:B:LEU:HD12	1:60:A:LEU:HD23	12	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3163)	1:55:A:LEU:HD12	1:60:B:LEU:HD22	7	3.28
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	7	3.28
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	7	3.27
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	12	3.09
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	12	3.08
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	14	2.95
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	8	2.95
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	14	2.94
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	8	2.94
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	9	2.94
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	9	2.93
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	13	2.87
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	13	2.87
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	12	2.85
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	11	2.83
(2,4749)	1:60:A:LEU:HD13	1:11:B:ARG:HG2	5	2.83
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	12	2.83
(2,4750)	1:60:B:LEU:HD13	1:11:A:ARG:HG2	5	2.82
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	14	2.82
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	11	2.82
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	14	2.82
(1,2910)	1:56:B:THR:HG23	1:50:A:HIS:HB3	15	2.82
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	7	2.81
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	7	2.8
(1,2909)	1:56:A:THR:HG23	1:50:B:HIS:HB3	15	2.79
(2,4750)	1:60:B:LEU:HD12	1:11:A:ARG:HG2	7	2.78
(2,4749)	1:60:A:LEU:HD12	1:11:B:ARG:HG2	7	2.78
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	14	2.76
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	14	2.76
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	13	2.76
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	14	2.76
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	14	2.76
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	13	2.75
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	12	2.74
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	12	2.74
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	11	2.74
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	11	2.74
(2,4749)	1:60:A:LEU:HD13	1:11:B:ARG:HG2	8	2.73
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	5	2.73
(1,414)	1:35:B:LEU:H	1:9:B:LEU:HD22	4	2.72
(1,413)	1:35:A:LEU:H	1:54:A:LEU:HD12	4	2.72
(2,4750)	1:60:B:LEU:HD13	1:11:A:ARG:HG2	8	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	5	2.71
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD21	2	2.71
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD21	2	2.71
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	5	2.7
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	5	2.7
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	8	2.68
(1,2568)	1:40:B:LEU:HD12	1:21:B:LEU:HA	12	2.68
(1,2567)	1:40:A:LEU:HD12	1:21:A:LEU:HA	12	2.68
(2,4750)	1:60:B:LEU:HD13	1:11:A:ARG:HG2	3	2.67
(2,4749)	1:60:A:LEU:HD13	1:11:B:ARG:HG2	3	2.67
(1,2910)	1:56:B:THR:HG23	1:50:A:HIS:HB3	3	2.67
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	8	2.67
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	7	2.66
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	2	2.66
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	9	2.65
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	2	2.65
(1,2909)	1:56:A:THR:HG23	1:50:B:HIS:HB3	3	2.65
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	9	2.65
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	2	2.65
(1,414)	1:35:B:LEU:H	1:9:B:LEU:HD22	5	2.65
(1,413)	1:35:A:LEU:H	1:9:A:LEU:HD22	5	2.65
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	2	2.64
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	7	2.64
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	14	2.63
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	14	2.62
(1,2060)	1:33:B:LYS:HD3	1:29:B:LEU:HD23	15	2.61
(1,2059)	1:33:A:LYS:HD3	1:29:A:LEU:HD23	15	2.61
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD11	3	2.6
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD21	10	2.6
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD21	10	2.6
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	13	2.59
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	13	2.59
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	9	2.59
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	9	2.59
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD11	3	2.59
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	4	2.59
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	4	2.59
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	2	2.58
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	1	2.58
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	2	2.57
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	1	2.57
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB1	13	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB1	13	2.57
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	2	2.56
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	2	2.56
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	1	2.56
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	1	2.56
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	12	2.55
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	12	2.55
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	15	2.54
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	10	2.54
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	3	2.54
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	3	2.54
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	4	2.54
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	4	2.54
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	15	2.53
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	9	2.53
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	10	2.53
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD11	12	2.53
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD11	12	2.53
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD13	6	2.53
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD13	6	2.53
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	9	2.52
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	4	2.51
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	9	2.51
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	9	2.51
(1,2909)	1:56:A:THR:HG23	1:50:B:HIS:HB3	11	2.51
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	14	2.51
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	14	2.51
(2,4750)	1:60:B:LEU:HD12	1:11:A:ARG:HG2	6	2.5
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	4	2.5
(2,4749)	1:60:A:LEU:HD12	1:11:B:ARG:HG2	6	2.5
(2,4749)	1:60:A:LEU:HD12	1:11:B:ARG:HG2	10	2.5
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	12	2.5
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	13	2.5
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	13	2.5
(1,2202)	1:29:B:LEU:HG	1:30:B:GLU:HG2	11	2.5
(2,4750)	1:60:B:LEU:HD12	1:11:A:ARG:HG2	10	2.49
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	8	2.49
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	12	2.49
(1,2201)	1:29:A:LEU:HG	1:30:A:GLU:HG2	11	2.49
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	8	2.48
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	13	2.48
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	13	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2910)	1:56:B:THR:HG23	1:50:A:HIS:HB3	11	2.48
(2,4749)	1:60:A:LEU:HD13	1:11:B:ARG:HG2	15	2.47
(1,2910)	1:56:B:THR:HG21	1:50:A:HIS:HB3	14	2.47
(2,4750)	1:60:B:LEU:HD13	1:11:A:ARG:HG2	15	2.46
(1,2909)	1:56:A:THR:HG21	1:50:B:HIS:HB3	14	2.46
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	5	2.46
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	11	2.45
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	5	2.45
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	11	2.45
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	9	2.45
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	9	2.45
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	12	2.44
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	12	2.44
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	1	2.44
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	1	2.44
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD22	6	2.44
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	6	2.43
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	5	2.43
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	5	2.43
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD21	12	2.43
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD22	6	2.43
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD21	12	2.43
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	6	2.42
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	6	2.42
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	4	2.42
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD12	14	2.42
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD12	14	2.42
(2,3933)	1:55:A:LEU:HD13	1:39:A:HIS:HB3	8	2.41
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	9	2.41
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	9	2.41
(1,2910)	1:56:B:THR:HG22	1:50:A:HIS:HB3	4	2.41
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	15	2.4
(2,3934)	1:55:B:LEU:HD13	1:39:B:HIS:HB3	8	2.4
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD11	9	2.4
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD11	9	2.4
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD11	6	2.4
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD11	6	2.4
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	10	2.4
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	15	2.4
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD22	1	2.39
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD22	1	2.39
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	15	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3934)	1:55:B:LEU:HD13	1:39:B:HIS:HB3	9	2.39
(2,3933)	1:55:A:LEU:HD13	1:39:A:HIS:HB3	9	2.39
(1,2909)	1:56:A:THR:HG22	1:50:B:HIS:HB3	6	2.39
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	10	2.39
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	15	2.39
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB2	14	2.39
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB2	14	2.39
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE2	13	2.38
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE2	13	2.38
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD23	7	2.38
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD23	7	2.38
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	15	2.37
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	15	2.37
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	9	2.37
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	9	2.37
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD11	6	2.37
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	1	2.36
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	1	2.36
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	8	2.36
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	2	2.36
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	2	2.36
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	7	2.36
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	10	2.36
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	10	2.36
(1,1526)	1:53:B:LYS:HE3	1:51:A:ARG:HB2	13	2.36
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	8	2.35
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	10	2.35
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	10	2.35
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	15	2.35
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	15	2.35
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	7	2.35
(1,1525)	1:53:A:LYS:HE3	1:37:B:GLU:HB2	6	2.35
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD13	11	2.34
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	8	2.34
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	8	2.34
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	7	2.34
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	7	2.34
(1,1525)	1:53:A:LYS:HE3	1:51:B:ARG:HB2	13	2.34
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	4	2.33
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	4	2.33
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD13	11	2.33
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	14	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	14	2.33
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	8	2.33
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	8	2.33
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	9	2.32
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	4	2.32
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	4	2.32
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	4	2.32
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD12	6	2.32
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD12	6	2.32
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB1	8	2.32
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD11	6	2.32
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	9	2.31
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	11	2.31
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	4	2.31
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	11	2.31
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB1	8	2.31
(1,1526)	1:53:B:LYS:HE3	1:37:A:GLU:HB2	6	2.31
(1,3083)	1:60:A:LEU:HD13	1:2:B:PRO:HD2	8	2.3
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	6	2.3
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	6	2.3
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	14	2.29
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	14	2.29
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	4	2.29
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	4	2.29
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	2	2.29
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	2	2.29
(1,2060)	1:33:B:LYS:HD2	1:29:B:LEU:HD22	6	2.29
(1,2059)	1:33:A:LYS:HD2	1:29:A:LEU:HD22	6	2.29
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	1	2.29
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	3	2.28
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	3	2.28
(1,3084)	1:60:B:LEU:HD13	1:2:A:PRO:HD2	8	2.28
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	5	2.28
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD11	5	2.27
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD11	5	2.27
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	9	2.27
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	9	2.27
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	5	2.27
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	1	2.27
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD23	11	2.26
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD23	11	2.25
(2,4106)	1:44:B:ASN:HD21	1:46:B:MET:HE3	3	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3083)	1:60:A:LEU:HD13	1:2:B:PRO:HD2	15	2.25
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD13	4	2.25
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD13	4	2.25
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	9	2.24
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	9	2.24
(2,4105)	1:44:A:ASN:HD21	1:46:A:MET:HE3	3	2.24
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	2	2.23
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	2	2.23
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	13	2.23
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	13	2.23
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	9	2.23
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	9	2.23
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB1	3	2.23
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB1	3	2.23
(1,3084)	1:60:B:LEU:HD13	1:2:A:PRO:HD2	15	2.22
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	3	2.22
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	3	2.22
(1,1562)	1:33:B:LYS:HE3	1:8:B:LEU:HG	5	2.22
(1,1561)	1:33:A:LYS:HE3	1:8:A:LEU:HG	5	2.22
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD12	1	2.22
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD12	1	2.22
(2,3681)	1:39:A:HIS:HB3	1:35:A:LEU:HD12	1	2.21
(2,3682)	1:39:B:HIS:HB3	1:35:B:LEU:HD12	1	2.2
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	15	2.2
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	15	2.2
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD13	5	2.2
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	5	2.19
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	5	2.19
(1,3084)	1:60:B:LEU:HD12	1:2:A:PRO:HD2	7	2.19
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	11	2.19
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	1	2.19
(1,2552)	1:21:B:LEU:HD11	1:9:B:LEU:HB2	14	2.19
(1,2551)	1:21:A:LEU:HD11	1:9:A:LEU:HB2	14	2.19
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	7	2.19
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	7	2.19
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD13	5	2.19
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	13	2.18
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	1	2.18
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	15	2.18
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	15	2.18
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	3	2.17
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	3	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	13	2.17
(1,3083)	1:60:A:LEU:HD12	1:2:B:PRO:HD2	7	2.17
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD13	15	2.17
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD13	15	2.17
(1,2552)	1:21:B:LEU:HD11	1:9:B:LEU:HB2	12	2.17
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	1	2.16
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	1	2.16
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	13	2.16
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	13	2.16
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	11	2.16
(1,2551)	1:21:A:LEU:HD11	1:9:A:LEU:HB2	12	2.16
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	1	2.16
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	1	2.16
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	11	2.14
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	13	2.14
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	11	2.14
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	13	2.14
(1,2552)	1:21:B:LEU:HD13	1:9:B:LEU:HB2	9	2.14
(1,2551)	1:21:A:LEU:HD13	1:9:A:LEU:HB2	9	2.14
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD13	10	2.14
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	11	2.14
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD13	10	2.14
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	11	2.14
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	9	2.13
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	10	2.13
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	10	2.13
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	2	2.13
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	2	2.13
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	9	2.12
(1,2551)	1:21:A:LEU:HD12	1:23:A:LEU:HD12	2	2.12
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	8	2.12
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	2	2.12
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	2	2.12
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	4	2.12
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD22	11	2.11
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD22	11	2.11
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	12	2.11
(1,2552)	1:21:B:LEU:HD12	1:23:B:LEU:HD12	2	2.11
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	8	2.11
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	7	2.11
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	13	2.11
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	13	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD23	6	2.1
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD23	6	2.1
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	1	2.1
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	12	2.1
(1,2552)	1:21:B:LEU:HD13	1:9:B:LEU:HB2	15	2.1
(1,2551)	1:21:A:LEU:HD13	1:9:A:LEU:HB2	15	2.1
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	15	2.1
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	2	2.1
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	4	2.1
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	11	2.09
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	11	2.09
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	15	2.09
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	15	2.09
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	1	2.09
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	15	2.09
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	2	2.09
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	10	2.08
(1,3083)	1:60:A:LEU:HD13	1:2:B:PRO:HD2	3	2.08
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	7	2.08
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD11	11	2.08
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD11	11	2.08
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	11	2.07
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	11	2.07
(1,3084)	1:60:B:LEU:HD13	1:2:A:PRO:HD2	3	2.07
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD12	2	2.07
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD12	2	2.07
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	4	2.07
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	9	2.07
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	9	2.07
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	10	2.06
(1,2772)	1:57:B:ALA:HB3	1:11:B:ARG:H	5	2.06
(1,2772)	1:57:B:ALA:HB3	1:11:B:ARG:H	9	2.06
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	4	2.06
(1,2482)	1:8:B:LEU:HD22	1:32:B:PHE:HE1	14	2.06
(1,2481)	1:8:A:LEU:HD22	1:32:A:PHE:HE1	14	2.06
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	13	2.06
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	13	2.06
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD23	5	2.05
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	7	2.05
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	7	2.05
(1,2772)	1:57:B:ALA:HB3	1:11:B:ARG:H	6	2.05
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:57:A:ALA:HB3	1:11:A:ARG:H	5	2.05
(1,2771)	1:57:A:ALA:HB3	1:11:A:ARG:H	6	2.05
(1,2771)	1:57:A:ALA:HB3	1:11:A:ARG:H	9	2.05
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD23	8	2.05
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD23	8	2.05
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	1	2.05
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	1	2.05
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB1	7	2.05
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB1	7	2.05
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	10	2.05
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	10	2.05
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD23	5	2.04
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	13	2.04
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	13	2.04
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	8	2.04
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	5	2.04
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD21	3	2.04
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB2	2	2.04
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	5	2.04
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD11	7	2.04
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	14	2.03
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	15	2.03
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	15	2.03
(1,3083)	1:60:A:LEU:HD13	1:2:B:PRO:HD2	5	2.03
(1,2932)	1:16:B:GLU:HA	1:9:B:LEU:HB2	15	2.03
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	5	2.03
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	9	2.03
(1,2552)	1:21:B:LEU:HD13	1:23:B:LEU:HD11	13	2.03
(1,2551)	1:21:A:LEU:HD13	1:23:A:LEU:HD11	13	2.03
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD21	3	2.03
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	10	2.03
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	10	2.03
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB2	2	2.03
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	6	2.03
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD21	10	2.03
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD21	10	2.03
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	13	2.02
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	13	2.02
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	14	2.02
(2,3395)	1:39:A:HIS:HB2	1:43:A:LEU:HG	6	2.02
(1,3084)	1:60:B:LEU:HD13	1:2:A:PRO:HD2	5	2.02
(1,2931)	1:16:A:GLU:HA	1:9:A:LEU:HB2	15	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	12	2.02
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	12	2.02
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	9	2.02
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD21	3	2.02
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD21	3	2.02
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	5	2.02
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD12	4	2.02
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD12	4	2.02
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	6	2.02
(2,3396)	1:39:B:HIS:HB2	1:43:B:LEU:HG	6	2.01
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	11	2.01
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	11	2.01
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	9	2.01
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	9	2.01
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	9	2.01
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	2	2.01
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD12	5	2.01
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD11	7	2.01
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	12	2.0
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	12	2.0
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	6	2.0
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	6	2.0
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	5	2.0
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	9	2.0
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	15	2.0
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	15	2.0
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	10	2.0
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	10	2.0
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	8	2.0
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	8	2.0
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	1	2.0
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	2	2.0
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD13	4	2.0
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	1	2.0
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD13	4	2.0
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD22	11	2.0
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD22	11	2.0
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	4	2.0
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	1	2.0
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD11	10	2.0
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	15	1.99
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD23	6	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	11	1.99
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	11	1.99
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	12	1.99
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	1	1.99
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	5	1.99
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	13	1.99
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	1	1.99
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	13	1.99
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	12	1.99
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD22	9	1.99
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD22	9	1.99
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD22	9	1.99
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	4	1.99
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	12	1.99
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	12	1.99
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD23	11	1.99
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD23	11	1.99
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD12	5	1.99
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD11	10	1.99
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	1	1.99
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD12	3	1.99
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	15	1.98
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD23	6	1.98
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	12	1.98
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	12	1.98
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD13	8	1.98
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD12	8	1.98
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD13	3	1.98
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD12	8	1.98
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	6	1.98
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	5	1.98
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	5	1.98
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD22	9	1.98
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	12	1.98
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	4	1.98
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	7	1.98
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	14	1.98
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	3	1.98
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	4	1.98
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	7	1.98
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	14	1.98
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	15	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	15	1.97
(1,2856)	1:45:B:ILE:HD12	1:42:B:GLU:HB2	5	1.97
(1,2855)	1:45:A:ILE:HD12	1:42:A:GLU:HB2	5	1.97
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD13	3	1.97
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	12	1.97
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	3	1.97
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD12	3	1.97
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	14	1.96
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	15	1.96
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	11	1.96
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	11	1.96
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD13	8	1.96
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	3	1.96
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	4	1.96
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	7	1.96
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	3	1.96
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	4	1.96
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	7	1.96
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	6	1.96
(1,2552)	1:21:B:LEU:HD13	1:9:B:LEU:HB2	3	1.96
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE1	8	1.96
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE1	8	1.96
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD22	8	1.96
(1,1801)	1:45:A:ILE:HB	1:55:A:LEU:HD22	8	1.96
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	3	1.96
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	10	1.96
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	10	1.96
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	2	1.96
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	2	1.96
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	4	1.96
(1,1468)	1:35:B:LEU:HB3	1:54:B:LEU:HD13	6	1.96
(1,1467)	1:35:A:LEU:HB3	1:54:A:LEU:HD13	6	1.96
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	5	1.96
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	13	1.96
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	1	1.96
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	5	1.96
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	13	1.96
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	12	1.96
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	14	1.95
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	15	1.95
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	10	1.95
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	10	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	8	1.95
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	8	1.95
(1,2772)	1:57:B:ALA:HB3	1:11:B:ARG:H	15	1.95
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	3	1.95
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	8	1.95
(1,2551)	1:21:A:LEU:HD13	1:9:A:LEU:HB2	3	1.95
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	8	1.95
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD23	11	1.95
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	1	1.95
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	12	1.95
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	12	1.95
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD21	10	1.94
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD21	10	1.94
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD22	1	1.94
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD22	1	1.94
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	4	1.94
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	4	1.94
(1,3050)	1:6:B:HIS:HD2	1:4:B:THR:HG22	5	1.94
(1,3049)	1:6:A:HIS:HD2	1:4:A:THR:HG22	5	1.94
(1,2771)	1:57:A:ALA:HB3	1:11:A:ARG:H	15	1.94
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	13	1.94
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD21	6	1.94
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	6	1.94
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD23	11	1.94
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	14	1.94
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	14	1.94
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	4	1.94
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	4	1.93
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	4	1.93
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD21	1	1.93
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD21	1	1.93
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD13	15	1.93
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD11	13	1.93
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD11	13	1.93
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	13	1.93
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	3	1.93
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	8	1.93
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	3	1.93
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	5	1.93
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	11	1.93
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	12	1.93
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	1	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	6	1.92
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	13	1.92
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	13	1.92
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	7	1.92
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	7	1.92
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	8	1.92
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	12	1.92
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	3	1.92
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	3	1.92
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	5	1.92
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	2	1.91
(2,3602)	1:43:B:LEU:HD13	1:40:B:LEU:HG	4	1.91
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD21	13	1.91
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	1	1.91
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	6	1.91
(2,3150)	1:42:B:GLU:HB3	1:43:B:LEU:HD21	4	1.91
(2,3149)	1:42:A:GLU:HB3	1:43:A:LEU:HD21	4	1.91
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	9	1.91
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	9	1.91
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	12	1.91
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	2	1.91
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	2	1.91
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	7	1.91
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	12	1.91
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD23	2	1.91
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB2	11	1.91
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	9	1.91
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	11	1.91
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	9	1.91
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	11	1.91
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	13	1.9
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	11	1.9
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	11	1.9
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	4	1.9
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	4	1.9
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	2	1.9
(2,3601)	1:43:A:LEU:HD13	1:40:A:LEU:HG	4	1.9
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	9	1.9
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	9	1.9
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD21	13	1.9
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	12	1.9
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD13	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	1	1.9
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	1	1.9
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	4	1.9
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	4	1.9
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	11	1.9
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	11	1.9
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD22	2	1.9
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD23	6	1.9
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB2	11	1.9
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	3	1.9
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	3	1.9
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	11	1.9
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	8	1.9
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	8	1.9
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD21	6	1.9
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD21	6	1.9
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	13	1.89
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD13	3	1.89
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD13	3	1.89
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	8	1.89
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	8	1.89
(1,2856)	1:45:B:ILE:HD13	1:42:B:GLU:HB2	15	1.89
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	7	1.89
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	5	1.89
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	5	1.89
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD23	6	1.89
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	3	1.89
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD21	8	1.89
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD21	8	1.89
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	11	1.89
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	14	1.89
(2,4915)	1:60:A:LEU:HD11	1:11:B:ARG:H	5	1.88
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD13	5	1.88
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	11	1.88
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	3	1.88
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	3	1.88
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD21	14	1.88
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD21	14	1.88
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	2	1.88
(1,2856)	1:45:B:ILE:HD12	1:47:B:ASP:HB3	11	1.88
(1,2855)	1:45:A:ILE:HD13	1:42:A:GLU:HB2	15	1.88
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD22	9	1.88
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD22	12	1.88
(1,1801)	1:45:A:ILE:HB	1:55:A:LEU:HD22	12	1.88
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	4	1.88
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	4	1.88
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	12	1.88
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	14	1.88
(2,4916)	1:60:B:LEU:HD11	1:11:A:ARG:H	5	1.87
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	12	1.87
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	12	1.87
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	11	1.87
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	14	1.87
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD13	5	1.87
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	14	1.87
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	11	1.87
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	13	1.87
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	9	1.87
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	2	1.87
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD12	7	1.87
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	11	1.87
(1,2855)	1:45:A:ILE:HD12	1:47:A:ASP:HB3	11	1.87
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	14	1.87
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	11	1.87
(1,2726)	1:52:B:ALA:HB3	1:12:A:ILE:HA	10	1.87
(1,2725)	1:52:A:ALA:HB3	1:12:B:ILE:HA	10	1.87
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	2	1.87
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	12	1.87
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	12	1.87
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD22	9	1.87
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HA	12	1.87
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	15	1.87
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	15	1.87
(1,574)	1:53:B:LYS:H	1:32:B:PHE:HE1	15	1.87
(1,573)	1:53:A:LYS:H	1:32:A:PHE:HE1	15	1.87
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	9	1.87
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	12	1.87
(2,4915)	1:60:A:LEU:HD11	1:11:B:ARG:H	8	1.86
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	9	1.86
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	11	1.86
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	9	1.86
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	9	1.86
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	2	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD11	14	1.86
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD11	14	1.86
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	14	1.86
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	14	1.86
(1,1562)	1:33:B:LYS:HE3	1:8:B:LEU:HG	6	1.86
(1,1561)	1:33:A:LYS:HE3	1:8:A:LEU:HG	6	1.86
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	3	1.86
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	11	1.86
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HA	12	1.86
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	10	1.86
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	9	1.86
(2,4916)	1:60:B:LEU:HD11	1:11:A:ARG:H	8	1.85
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	11	1.85
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	11	1.85
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	11	1.85
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	5	1.85
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	2	1.85
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	5	1.85
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	3	1.85
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	3	1.85
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD12	7	1.85
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	4	1.85
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	4	1.85
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	11	1.85
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	11	1.85
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	4	1.85
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	4	1.85
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	1	1.85
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	7	1.85
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	7	1.85
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	13	1.85
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	10	1.85
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	6	1.85
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	10	1.85
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	11	1.84
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	11	1.84
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	11	1.84
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	15	1.84
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	2	1.84
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	11	1.84
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	10	1.84
(1,2856)	1:45:B:ILE:HD11	1:47:B:ASP:HB3	1	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:45:A:ILE:HD11	1:47:A:ASP:HB3	1	1.84
(1,2855)	1:45:A:ILE:HD12	1:47:A:ASP:HB3	6	1.84
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	2	1.84
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	2	1.84
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	12	1.84
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	1	1.84
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	1	1.84
(1,1802)	1:45:B:ILE:HB	1:55:B:LEU:HD21	7	1.84
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	13	1.84
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	13	1.84
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	1	1.84
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	13	1.84
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	10	1.84
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	14	1.84
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	14	1.84
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	14	1.84
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	6	1.84
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD13	9	1.84
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD12	7	1.83
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD12	7	1.83
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	3	1.83
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	11	1.83
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	13	1.83
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	8	1.83
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	15	1.83
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	4	1.83
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	4	1.83
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	5	1.83
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	10	1.83
(1,2856)	1:45:B:ILE:HD12	1:47:B:ASP:HB3	6	1.83
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	9	1.83
(1,1801)	1:45:A:ILE:HB	1:55:A:LEU:HD21	7	1.83
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	14	1.83
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD21	2	1.83
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD21	2	1.83
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD13	9	1.83
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	8	1.82
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	7	1.82
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	2	1.82
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	2	1.82
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	2	1.82
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2856)	1:45:B:ILE:HD13	1:42:B:GLU:HB2	14	1.82
(1,2855)	1:45:A:ILE:HD13	1:42:A:GLU:HB2	14	1.82
(1,2772)	1:57:B:ALA:HB2	1:11:B:ARG:H	1	1.82
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	15	1.82
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	9	1.82
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	15	1.82
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	12	1.82
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	4	1.82
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	1	1.82
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD12	8	1.82
(1,1)	1:54:A:LEU:H	1:60:B:LEU:HD12	15	1.82
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	3	1.81
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	9	1.81
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	7	1.81
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	5	1.81
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	2	1.81
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	10	1.81
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	2	1.81
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD13	5	1.81
(1,2771)	1:57:A:ALA:HB2	1:11:A:ARG:H	1	1.81
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	2	1.81
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	4	1.81
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	4	1.81
(1,2552)	1:21:B:LEU:HD13	1:9:B:LEU:HB2	6	1.81
(1,2551)	1:21:A:LEU:HD13	1:9:A:LEU:HB2	6	1.81
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	15	1.81
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD21	1	1.81
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD21	1	1.81
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	4	1.81
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	5	1.81
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	5	1.81
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	1	1.81
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	9	1.81
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD12	15	1.81
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	9	1.8
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	13	1.8
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD13	8	1.8
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD13	8	1.8
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	6	1.8
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	10	1.8
(1,2856)	1:45:B:ILE:HD12	1:42:B:GLU:HB2	3	1.8
(1,2855)	1:45:A:ILE:HD12	1:42:A:GLU:HB2	3	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD13	5	1.8
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	2	1.8
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	15	1.8
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	2	1.8
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	2	1.8
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	9	1.8
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	9	1.8
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	9	1.8
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	11	1.8
(2,4916)	1:60:B:LEU:HD13	1:11:A:ARG:H	7	1.79
(2,4915)	1:60:A:LEU:HD13	1:11:B:ARG:H	7	1.79
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	12	1.79
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	12	1.79
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	13	1.79
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD23	5	1.79
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD23	5	1.79
(2,3601)	1:43:A:LEU:HD11	1:40:A:LEU:HG	6	1.79
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	4	1.79
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	12	1.79
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	10	1.79
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	10	1.79
(1,2552)	1:21:B:LEU:HD12	1:23:B:LEU:HD11	10	1.79
(1,2551)	1:21:A:LEU:HD12	1:23:A:LEU:HD11	10	1.79
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	13	1.79
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	13	1.79
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	12	1.79
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	4	1.79
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	4	1.79
(1,2)	1:54:B:LEU:H	1:60:A:LEU:HD12	8	1.79
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	9	1.78
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD13	8	1.78
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	7	1.78
(2,3602)	1:43:B:LEU:HD11	1:40:B:LEU:HG	6	1.78
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	4	1.78
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	1	1.78
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	12	1.78
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	11	1.78
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	3	1.78
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	3	1.78
(1,1244)	1:35:B:LEU:HA	1:36:B:ARG:HG3	10	1.78
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	12	1.78
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	2	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	13	1.78
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	15	1.78
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	2	1.78
(2,4924)	1:60:B:LEU:HD13	1:2:A:PRO:HG2	8	1.77
(2,4923)	1:60:A:LEU:HD13	1:2:B:PRO:HG2	8	1.77
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	9	1.77
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	1	1.77
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	7	1.77
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	1	1.77
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	11	1.77
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	11	1.77
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	6	1.77
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	6	1.77
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	1	1.77
(1,3084)	1:60:B:LEU:HD12	1:2:A:PRO:HD2	10	1.77
(1,3083)	1:60:A:LEU:HD12	1:2:B:PRO:HD2	10	1.77
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	11	1.77
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	1	1.77
(1,2804)	1:45:B:ILE:HG21	1:49:B:GLN:HB2	9	1.77
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	1	1.77
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	1	1.77
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	3	1.77
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	3	1.77
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	12	1.77
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	12	1.77
(1,1243)	1:35:A:LEU:HA	1:36:A:ARG:HG3	10	1.77
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	8	1.77
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD13	8	1.76
(2,4104)	1:46:B:MET:HE1	1:46:B:MET:HA	8	1.76
(2,4103)	1:46:A:MET:HE1	1:46:A:MET:HA	8	1.76
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD13	15	1.76
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD23	14	1.76
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	3	1.76
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD23	10	1.76
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	3	1.76
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD23	10	1.76
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	14	1.76
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	14	1.76
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	6	1.76
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG22	2	1.76
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG22	2	1.76
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD13	3	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	13	1.76
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	14	1.76
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	13	1.76
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	14	1.76
(1,2855)	1:45:A:ILE:HD12	1:42:A:GLU:HB2	7	1.76
(1,2803)	1:45:A:ILE:HG21	1:49:A:GLN:HB2	9	1.76
(1,2772)	1:57:B:ALA:HB1	1:11:B:ARG:H	2	1.76
(1,2771)	1:57:A:ALA:HB1	1:11:A:ARG:H	2	1.76
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	1	1.76
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	11	1.76
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	5	1.76
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	7	1.76
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	5	1.76
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD22	11	1.76
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD23	13	1.76
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD23	13	1.76
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	11	1.76
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	11	1.76
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	6	1.76
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	7	1.76
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	10	1.76
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	11	1.76
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	13	1.75
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD13	15	1.75
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD23	14	1.75
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	6	1.75
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	6	1.75
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD13	3	1.75
(1,2856)	1:45:B:ILE:HD12	1:42:B:GLU:HB2	7	1.75
(1,2510)	1:61:B:LEU:HD23	1:63:B:ASP:HA	13	1.75
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	7	1.75
(1,2509)	1:61:A:LEU:HD23	1:63:A:ASP:HA	13	1.75
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE1	9	1.75
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE1	9	1.75
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	8	1.75
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	15	1.75
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	15	1.75
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	10	1.75
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	13	1.75
(2,4916)	1:60:B:LEU:HD13	1:11:A:ARG:H	10	1.74
(2,4915)	1:60:A:LEU:HD13	1:11:B:ARG:H	10	1.74
(2,3934)	1:55:B:LEU:HD13	1:39:B:HIS:HB3	6	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	13	1.74
(1,2804)	1:45:B:ILE:HG21	1:48:B:PRO:HB2	2	1.74
(1,2804)	1:45:B:ILE:HG22	1:49:B:GLN:HB2	3	1.74
(1,2725)	1:52:A:ALA:HB2	1:12:B:ILE:HA	15	1.74
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	6	1.74
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	6	1.74
(1,1972)	1:51:B:ARG:HB3	1:9:B:LEU:HD12	6	1.74
(1,1971)	1:51:A:ARG:HB3	1:9:A:LEU:HD12	6	1.74
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	1	1.74
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	15	1.74
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	7	1.74
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	8	1.74
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	15	1.74
(2,4916)	1:60:B:LEU:HD11	1:11:A:ARG:H	3	1.73
(2,4915)	1:60:A:LEU:HD11	1:11:B:ARG:H	3	1.73
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	3	1.73
(2,3933)	1:55:A:LEU:HD13	1:39:A:HIS:HB3	6	1.73
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	13	1.73
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	13	1.73
(1,3084)	1:60:B:LEU:HD11	1:2:A:PRO:HD2	4	1.73
(1,3083)	1:60:A:LEU:HD12	1:2:B:PRO:HD2	6	1.73
(1,2803)	1:45:A:ILE:HG21	1:48:A:PRO:HB2	2	1.73
(1,2803)	1:45:A:ILE:HG22	1:49:A:GLN:HB2	3	1.73
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	11	1.73
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE2	3	1.73
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE2	3	1.73
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	1	1.73
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD21	7	1.73
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD13	9	1.73
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD13	9	1.73
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	7	1.73
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	7	1.73
(2,4916)	1:60:B:LEU:HD11	1:11:A:ARG:H	15	1.72
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD13	3	1.72
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD13	3	1.72
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	3	1.72
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD22	13	1.72
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD22	13	1.72
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	7	1.72
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD21	4	1.72
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	9	1.72
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD21	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	9	1.72
(2,1366)	1:49:B:GLN:HE21	1:51:A:ARG:HB3	15	1.72
(2,1365)	1:49:A:GLN:HE21	1:51:B:ARG:HB3	15	1.72
(1,3084)	1:60:B:LEU:HD12	1:2:A:PRO:HD2	6	1.72
(1,3083)	1:60:A:LEU:HD11	1:2:B:PRO:HD2	4	1.72
(1,2856)	1:45:B:ILE:HD11	1:42:B:GLU:HB2	2	1.72
(1,2855)	1:45:A:ILE:HD11	1:42:A:GLU:HB2	2	1.72
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	5	1.72
(1,2726)	1:52:B:ALA:HB2	1:12:A:ILE:HA	15	1.72
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	2	1.72
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	2	1.72
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	14	1.72
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	14	1.72
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD21	7	1.72
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	8	1.72
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	9	1.72
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	5	1.72
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	1	1.72
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD22	5	1.72
(2,4915)	1:60:A:LEU:HD11	1:11:B:ARG:H	15	1.71
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	1	1.71
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	7	1.71
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD23	12	1.71
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	2	1.71
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	2	1.71
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD23	4	1.71
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD23	4	1.71
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD13	5	1.71
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	7	1.71
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	7	1.71
(1,2804)	1:45:B:ILE:HG21	1:48:B:PRO:HB2	12	1.71
(1,2803)	1:45:A:ILE:HG21	1:48:A:PRO:HB2	12	1.71
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	5	1.71
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	8	1.71
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	12	1.71
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	12	1.71
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	3	1.71
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	1	1.71
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	3	1.71
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	15	1.71
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB2	15	1.71
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB2	15	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	9	1.71
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD22	1	1.71
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	7	1.71
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	7	1.71
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	1	1.7
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	4	1.7
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	14	1.7
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	15	1.7
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD23	12	1.7
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	14	1.7
(1,3156)	1:55:B:LEU:HD11	1:53:A:LYS:HD2	3	1.7
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD13	5	1.7
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	14	1.7
(1,2726)	1:52:B:ALA:HB3	1:12:A:ILE:HA	13	1.7
(1,2725)	1:52:A:ALA:HB3	1:12:B:ILE:HA	13	1.7
(1,2725)	1:52:A:ALA:HB1	1:12:B:ILE:HA	14	1.7
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	7	1.7
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	1	1.7
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD22	11	1.7
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	6	1.7
(2,4915)	1:60:A:LEU:HD13	1:11:B:ARG:H	6	1.69
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	8	1.69
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	4	1.69
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	4	1.69
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	7	1.69
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	4	1.69
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	7	1.69
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD11	11	1.69
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD11	11	1.69
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	15	1.69
(1,2856)	1:45:B:ILE:HD11	1:47:B:ASP:HB3	13	1.69
(1,2855)	1:45:A:ILE:HD11	1:47:A:ASP:HB3	13	1.69
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	14	1.69
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	8	1.69
(1,2726)	1:52:B:ALA:HB1	1:12:A:ILE:HA	14	1.69
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	7	1.69
(1,2552)	1:21:B:LEU:HD12	1:9:B:LEU:HB2	5	1.69
(1,2551)	1:21:A:LEU:HD12	1:9:A:LEU:HB2	5	1.69
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	7	1.69
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	4	1.69
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	5	1.69
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	15	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	4	1.69
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	5	1.69
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	15	1.69
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	12	1.69
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	12	1.69
(2,4916)	1:60:B:LEU:HD13	1:11:A:ARG:H	6	1.68
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	6	1.68
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	6	1.68
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	8	1.68
(2,2214)	1:11:B:ARG:HD2	1:60:A:LEU:H	13	1.68
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	13	1.68
(1,2856)	1:45:B:ILE:HD13	1:47:B:ASP:HB3	10	1.68
(1,2855)	1:45:A:ILE:HD13	1:47:A:ASP:HB3	10	1.68
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	7	1.68
(1,2804)	1:45:B:ILE:HG23	1:49:B:GLN:HB2	11	1.68
(1,2804)	1:45:B:ILE:HG23	1:48:B:PRO:HB2	13	1.68
(1,2803)	1:45:A:ILE:HG23	1:49:A:GLN:HB2	11	1.68
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD21	2	1.68
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD21	2	1.68
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	7	1.68
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	15	1.68
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	15	1.68
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE2	7	1.68
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE2	7	1.68
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	12	1.68
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	12	1.68
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	12	1.68
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	12	1.68
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	3	1.68
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	4	1.67
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	7	1.67
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	7	1.67
(2,3602)	1:43:B:LEU:HD11	1:40:B:LEU:HG	5	1.67
(2,3601)	1:43:A:LEU:HD11	1:40:A:LEU:HG	1	1.67
(2,3601)	1:43:A:LEU:HD11	1:40:A:LEU:HG	5	1.67
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	9	1.67
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	9	1.67
(2,2932)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	14	1.67
(2,2931)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	14	1.67
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	13	1.67
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	11	1.67
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3155)	1:55:A:LEU:HD11	1:53:B:LYS:HD2	3	1.67
(1,2856)	1:45:B:ILE:HD11	1:42:B:GLU:HB2	8	1.67
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	7	1.67
(1,2803)	1:45:A:ILE:HG23	1:48:A:PRO:HB2	13	1.67
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	14	1.67
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD21	14	1.67
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD21	14	1.67
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	9	1.67
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	9	1.67
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	11	1.67
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	11	1.67
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	9	1.67
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	4	1.67
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	4	1.66
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	15	1.66
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	15	1.66
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	10	1.66
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	10	1.66
(2,3602)	1:43:B:LEU:HD11	1:40:B:LEU:HG	1	1.66
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	8	1.66
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	8	1.66
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD21	1	1.66
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD21	1	1.66
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	4	1.66
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	4	1.66
(2,2213)	1:11:A:ARG:HD2	1:60:B:LEU:H	13	1.66
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD21	1	1.66
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD21	1	1.66
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	13	1.66
(1,2855)	1:45:A:ILE:HD11	1:42:A:GLU:HB2	8	1.66
(1,2842)	1:45:B:ILE:HD12	1:23:B:LEU:HD11	10	1.66
(1,2841)	1:45:A:ILE:HD12	1:23:A:LEU:HD11	10	1.66
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	14	1.66
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB3	6	1.66
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB2	7	1.66
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB3	6	1.66
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB2	7	1.66
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	12	1.66
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	12	1.66
(1,2274)	1:54:B:LEU:HD12	1:46:B:MET:HA	15	1.66
(1,2273)	1:54:A:LEU:HD12	1:46:A:MET:HA	15	1.66
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	11	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	9	1.66
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	11	1.66
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	4	1.66
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	3	1.66
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	6	1.65
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	6	1.65
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD22	8	1.65
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD22	8	1.65
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD21	9	1.65
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD21	9	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD22	5	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD22	6	1.65
(2,1994)	1:43:B:LEU:HA	1:43:B:LEU:HD21	11	1.65
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD22	5	1.65
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD22	6	1.65
(2,1993)	1:43:A:LEU:HA	1:43:A:LEU:HD21	11	1.65
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	3	1.65
(1,2856)	1:45:B:ILE:HD13	1:42:B:GLU:HB2	12	1.65
(1,2855)	1:45:A:ILE:HD13	1:42:A:GLU:HB2	12	1.65
(1,2804)	1:45:B:ILE:HG22	1:49:B:GLN:HB2	5	1.65
(1,2803)	1:45:A:ILE:HG22	1:49:A:GLN:HB2	5	1.65
(1,2718)	1:52:B:ALA:HB2	1:55:B:LEU:HD21	13	1.65
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	13	1.65
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	13	1.65
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE1	5	1.65
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE1	5	1.65
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	6	1.65
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	6	1.65
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD22	10	1.65
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD11	2	1.65
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	14	1.64
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	14	1.64
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	8	1.64
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	8	1.64
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	10	1.64
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	10	1.64
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	11	1.64
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	11	1.64
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	10	1.64
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	10	1.64
(1,2717)	1:52:A:ALA:HB2	1:55:A:LEU:HD21	13	1.64
(1,2551)	1:21:A:LEU:HD12	1:23:A:LEU:HD11	7	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	14	1.64
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	14	1.64
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	8	1.64
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD11	2	1.64
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD12	5	1.64
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD11	6	1.64
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD12	5	1.64
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD11	6	1.64
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	2	1.64
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	2	1.64
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	7	1.63
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	5	1.63
(2,4730)	1:52:B:ALA:HB1	1:49:A:GLN:HE21	15	1.63
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	14	1.63
(2,3934)	1:55:B:LEU:HD13	1:39:B:HIS:HB3	3	1.63
(2,3933)	1:55:A:LEU:HD13	1:39:A:HIS:HB3	3	1.63
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	1	1.63
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	1	1.63
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD22	1	1.63
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD22	1	1.63
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	3	1.63
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	5	1.63
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	11	1.63
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	5	1.63
(1,2855)	1:45:A:ILE:HD13	1:47:A:ASP:HB3	4	1.63
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	10	1.63
(1,2746)	1:59:B:GLU:HG3	1:58:B:ALA:HB1	4	1.63
(1,2745)	1:59:A:GLU:HG3	1:58:A:ALA:HB1	4	1.63
(1,2552)	1:21:B:LEU:HD12	1:23:B:LEU:HD11	7	1.63
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD2	3	1.63
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD2	3	1.63
(1,2510)	1:61:B:LEU:HD23	1:63:B:ASP:HA	1	1.63
(1,2274)	1:54:B:LEU:HD13	1:47:B:ASP:HA	4	1.63
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	6	1.63
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	4	1.63
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	6	1.63
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	8	1.63
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	10	1.63
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	13	1.63
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	10	1.63
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	6	1.63
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD22	10	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:33:B:LYS:HE3	1:58:B:ALA:HB3	10	1.63
(1,1561)	1:33:A:LYS:HE3	1:58:A:ALA:HB3	10	1.63
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HA	6	1.63
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HA	6	1.63
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD22	11	1.63
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	6	1.63
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	6	1.63
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	9	1.62
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD2	8	1.62
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD2	8	1.62
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	14	1.62
(2,4114)	1:45:B:ILE:HG23	1:40:B:LEU:HB2	15	1.62
(2,4113)	1:45:A:ILE:HG23	1:40:A:LEU:HB2	15	1.62
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD22	6	1.62
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD22	6	1.62
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	1	1.62
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	13	1.62
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	14	1.62
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	1	1.62
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	13	1.62
(1,2856)	1:45:B:ILE:HD13	1:47:B:ASP:HB3	4	1.62
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	10	1.62
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	10	1.62
(1,2512)	1:61:B:LEU:HD22	1:32:B:PHE:HD1	8	1.62
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD1	14	1.62
(1,2511)	1:61:A:LEU:HD22	1:32:A:PHE:HD1	8	1.62
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD1	14	1.62
(1,2509)	1:61:A:LEU:HD23	1:63:A:ASP:HA	1	1.62
(1,2270)	1:54:B:LEU:HD12	1:45:B:ILE:HA	6	1.62
(1,2269)	1:54:A:LEU:HD12	1:45:A:ILE:HA	6	1.62
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	13	1.62
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	6	1.62
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	4	1.62
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD22	11	1.62
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD13	2	1.62
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD12	13	1.62
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD12	13	1.62
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	5	1.61
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	9	1.61
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	7	1.61
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	7	1.61
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	13	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	14	1.61
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	14	1.61
(2,3934)	1:55:B:LEU:HD12	1:39:B:HIS:HB3	5	1.61
(2,3933)	1:55:A:LEU:HD12	1:39:A:HIS:HB3	5	1.61
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	4	1.61
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	4	1.61
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD22	6	1.61
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD22	6	1.61
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	2	1.61
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	4	1.61
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	6	1.61
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	15	1.61
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	4	1.61
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	6	1.61
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	14	1.61
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	15	1.61
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	10	1.61
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	12	1.61
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	12	1.61
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG23	1	1.61
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG23	1	1.61
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	6	1.61
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	6	1.61
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	4	1.61
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD12	12	1.61
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD12	12	1.61
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD23	14	1.61
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD23	14	1.61
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	3	1.61
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD13	2	1.61
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	3	1.61
(2,4729)	1:52:A:ALA:HB1	1:49:B:GLN:HE21	15	1.6
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	13	1.6
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	5	1.6
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	5	1.6
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	7	1.6
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	12	1.6
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	2	1.6
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	7	1.6
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	12	1.6
(1,2855)	1:45:A:ILE:HD12	1:42:A:GLU:HB2	9	1.6
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD13	1	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:43:B:LEU:HD22	1:40:B:LEU:HG	3	1.6
(1,2573)	1:43:A:LEU:HD22	1:40:A:LEU:HG	3	1.6
(1,2510)	1:61:B:LEU:HD23	1:63:B:ASP:HA	10	1.6
(1,2509)	1:61:A:LEU:HD23	1:63:A:ASP:HA	10	1.6
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	15	1.6
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	15	1.6
(1,1525)	1:53:A:LYS:HE2	1:59:B:GLU:HB3	15	1.6
(1,996)	1:45:B:ILE:HA	1:54:B:LEU:HD23	3	1.6
(1,995)	1:45:A:ILE:HA	1:54:A:LEU:HD23	3	1.6
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	1	1.59
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD23	6	1.59
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD23	6	1.59
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	9	1.59
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	9	1.59
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	4	1.59
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	9	1.59
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	3	1.59
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	3	1.59
(1,2856)	1:45:B:ILE:HD12	1:42:B:GLU:HB2	9	1.59
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD13	1	1.59
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG23	5	1.59
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG23	5	1.59
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	13	1.59
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	13	1.59
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD12	7	1.59
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD12	7	1.59
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	5	1.59
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	5	1.59
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	1	1.59
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	7	1.58
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	5	1.58
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	5	1.58
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	1	1.58
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	5	1.58
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	1	1.58
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	5	1.58
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	1	1.58
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	4	1.58
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	8	1.58
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	7	1.58
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	7	1.58
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	2	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	9	1.58
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	2	1.58
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	9	1.58
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	9	1.58
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	10	1.58
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	8	1.58
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	10	1.58
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG23	4	1.58
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG23	4	1.58
(1,2274)	1:54:B:LEU:HD13	1:47:B:ASP:HA	10	1.58
(1,2273)	1:54:A:LEU:HD13	1:47:A:ASP:HA	10	1.58
(1,1526)	1:53:B:LYS:HE2	1:59:A:GLU:HB3	15	1.58
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	2	1.58
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	15	1.58
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	15	1.58
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	1	1.57
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	3	1.57
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	8	1.57
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	3	1.57
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	3	1.57
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD12	14	1.57
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	3	1.57
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	4	1.57
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	8	1.57
(1,2842)	1:45:B:ILE:HD13	1:23:B:LEU:HD11	7	1.57
(1,2841)	1:45:A:ILE:HD13	1:23:A:LEU:HD11	7	1.57
(1,2804)	1:45:B:ILE:HG21	1:48:B:PRO:HB2	6	1.57
(1,2803)	1:45:A:ILE:HG21	1:48:A:PRO:HB2	6	1.57
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD23	10	1.57
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	4	1.57
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	7	1.57
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	2	1.57
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	1	1.57
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	14	1.56
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	4	1.56
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	7	1.56
(2,4114)	1:45:B:ILE:HG21	1:40:B:LEU:HB2	8	1.56
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	12	1.56
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	1	1.56
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	3	1.56
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	14	1.56
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	3	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	3	1.56
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD12	14	1.56
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	1	1.56
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	1	1.56
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD23	10	1.56
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	8	1.56
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	11	1.56
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	8	1.56
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	11	1.56
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	4	1.56
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	7	1.56
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD13	8	1.56
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD13	11	1.56
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD13	8	1.56
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD13	11	1.56
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	14	1.55
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	4	1.55
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD12	6	1.55
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD12	10	1.55
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD12	6	1.55
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	10	1.55
(2,4750)	1:60:B:LEU:HD11	1:11:A:ARG:HG2	13	1.55
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	9	1.55
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	12	1.55
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	7	1.55
(2,4113)	1:45:A:ILE:HG21	1:40:A:LEU:HB2	8	1.55
(2,3934)	1:55:B:LEU:HD11	1:39:B:HIS:HB3	10	1.55
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	10	1.55
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD23	7	1.55
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD23	7	1.55
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	14	1.55
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	9	1.55
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD11	7	1.55
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	14	1.55
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	14	1.55
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	14	1.55
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	3	1.55
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	10	1.55
(1,2804)	1:45:B:ILE:HG22	1:48:B:PRO:HB2	4	1.55
(1,2803)	1:45:A:ILE:HG22	1:48:A:PRO:HB2	4	1.55
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	14	1.55
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	14	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	14	1.55
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	14	1.55
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE2	11	1.55
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE2	11	1.55
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	12	1.55
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	12	1.55
(1,1802)	1:45:B:ILE:HB	1:21:B:LEU:HD23	3	1.55
(1,1801)	1:45:A:ILE:HB	1:21:A:LEU:HD23	3	1.55
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD12	10	1.54
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	10	1.54
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	9	1.54
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	7	1.54
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	5	1.54
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	5	1.54
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	12	1.54
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	7	1.54
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	10	1.54
(2,4114)	1:45:B:ILE:HG23	1:40:B:LEU:HB2	13	1.54
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	10	1.54
(2,4113)	1:45:A:ILE:HG23	1:40:A:LEU:HB2	13	1.54
(2,3933)	1:55:A:LEU:HD11	1:39:A:HIS:HB3	12	1.54
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	6	1.54
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	6	1.54
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	9	1.54
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	12	1.54
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	12	1.54
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD11	7	1.54
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	4	1.54
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	14	1.54
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	5	1.54
(1,2929)	1:67:A:GLY:HA2	1:68:A:CYS:HB3	9	1.54
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	2	1.54
(1,2270)	1:54:B:LEU:HD12	1:45:B:ILE:HA	15	1.54
(1,2269)	1:54:A:LEU:HD12	1:45:A:ILE:HA	15	1.54
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	10	1.54
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	10	1.54
(2,4749)	1:60:A:LEU:HD11	1:11:B:ARG:HG2	13	1.53
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	12	1.53
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	12	1.53
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	10	1.53
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	10	1.53
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD23	10	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD23	10	1.53
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	9	1.53
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	9	1.53
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	2	1.53
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	2	1.53
(2,3718)	1:22:B:LEU:HD12	1:21:B:LEU:HB3	13	1.53
(2,3717)	1:22:A:LEU:HD12	1:21:A:LEU:HB3	13	1.53
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD23	5	1.53
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD23	5	1.53
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD12	13	1.53
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	14	1.53
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	14	1.53
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	13	1.53
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	13	1.53
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	10	1.53
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	5	1.53
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	10	1.53
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	2	1.53
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	4	1.53
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	7	1.53
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	4	1.53
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	7	1.53
(1,2787)	1:46:A:MET:HE1	1:46:A:MET:H	8	1.53
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD12	10	1.53
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD12	10	1.53
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	5	1.53
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD11	2	1.53
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD11	2	1.53
(1,514)	1:47:B:ASP:H	1:54:B:LEU:HD22	4	1.53
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	1	1.52
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD13	15	1.52
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	5	1.52
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	13	1.52
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	13	1.52
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG21	2	1.52
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG21	2	1.52
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	6	1.52
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	6	1.52
(2,3708)	1:32:B:PHE:HB2	1:61:B:LEU:HD21	13	1.52
(2,3707)	1:32:A:PHE:HB2	1:61:A:LEU:HD21	13	1.52
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	15	1.52
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	12	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	12	1.52
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	15	1.52
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	10	1.52
(1,3156)	1:55:B:LEU:HD11	1:53:A:LYS:HD2	6	1.52
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	5	1.52
(1,2930)	1:67:B:GLY:HA2	1:68:B:CYS:HB3	9	1.52
(1,2826)	1:12:B:ILE:HD11	1:13:B:GLY:HA2	3	1.52
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	6	1.52
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	13	1.52
(1,2825)	1:12:A:ILE:HD11	1:13:A:GLY:HA2	3	1.52
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	6	1.52
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	13	1.52
(1,2790)	1:46:B:MET:HE1	1:41:B:ASN:H	3	1.52
(1,2789)	1:46:A:MET:HE1	1:41:A:ASN:H	3	1.52
(1,2788)	1:46:B:MET:HE1	1:46:B:MET:H	8	1.52
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG22	15	1.52
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG22	15	1.52
(1,2611)	1:21:A:LEU:HD11	1:20:A:THR:HG23	6	1.52
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	15	1.52
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	15	1.52
(1,2103)	1:10:A:GLU:HB2	1:14:A:LEU:HB2	7	1.52
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD12	15	1.52
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD12	15	1.52
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD11	7	1.52
(1,513)	1:47:A:ASP:H	1:54:A:LEU:HD22	4	1.52
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	2	1.51
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	12	1.51
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	1	1.51
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	13	1.51
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD13	15	1.51
(2,4674)	1:16:B:GLU:HG2	1:17:B:HIS:HE1	2	1.51
(2,4673)	1:16:A:GLU:HG2	1:17:A:HIS:HE1	2	1.51
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	4	1.51
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	4	1.51
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD12	4	1.51
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD12	4	1.51
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	13	1.51
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	15	1.51
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	13	1.51
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	15	1.51
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD12	13	1.51
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	4	1.51
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD12	9	1.51
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD12	9	1.51
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	7	1.51
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	7	1.51
(1,2612)	1:21:B:LEU:HD11	1:20:B:THR:HG23	6	1.51
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	8	1.51
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	14	1.51
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	8	1.51
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	14	1.51
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD1	9	1.51
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD1	9	1.51
(1,2510)	1:61:B:LEU:HD22	1:63:B:ASP:HA	3	1.51
(1,2509)	1:61:A:LEU:HD22	1:63:A:ASP:HA	3	1.51
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE1	1	1.51
(1,2482)	1:8:B:LEU:HD22	1:32:B:PHE:HE2	6	1.51
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE1	1	1.51
(1,2481)	1:8:A:LEU:HD22	1:32:A:PHE:HE2	6	1.51
(1,2104)	1:10:B:GLU:HB2	1:14:B:LEU:HB2	7	1.51
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	5	1.51
(1,1089)	1:28:A:THR:HA	1:29:A:LEU:HD12	10	1.51
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD11	7	1.51
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	12	1.5
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	2	1.5
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	7	1.5
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	7	1.5
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG23	11	1.5
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG23	11	1.5
(2,4114)	1:45:B:ILE:HG21	1:40:B:LEU:HB2	9	1.5
(2,4113)	1:45:A:ILE:HG21	1:40:A:LEU:HB2	9	1.5
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	2	1.5
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	5	1.5
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	9	1.5
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	9	1.5
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	1	1.5
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	5	1.5
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	5	1.5
(1,2826)	1:12:B:ILE:HD11	1:13:B:GLY:HA2	9	1.5
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	11	1.5
(1,2825)	1:12:A:ILE:HD11	1:13:A:GLY:HA2	9	1.5
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	11	1.5
(1,2666)	1:9:B:LEU:HD13	1:21:B:LEU:HA	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2665)	1:9:A:LEU:HD13	1:21:A:LEU:HA	10	1.5
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	10	1.5
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	10	1.5
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD21	2	1.5
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	9	1.5
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD21	2	1.5
(1,2512)	1:61:B:LEU:HD22	1:32:B:PHE:HD2	12	1.5
(1,2511)	1:61:A:LEU:HD22	1:32:A:PHE:HD2	12	1.5
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE2	12	1.5
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE2	12	1.5
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	7	1.5
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	7	1.5
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	10	1.5
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	10	1.5
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD23	4	1.5
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD21	8	1.5
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	4	1.5
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD21	6	1.5
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD13	4	1.5
(1,1090)	1:28:B:THR:HA	1:29:B:LEU:HD12	10	1.5
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD13	4	1.5
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	13	1.49
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	5	1.49
(2,4831)	1:62:A:LEU:HD23	1:11:B:ARG:HA	11	1.49
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	1	1.49
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	1	1.49
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	2	1.49
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	2	1.49
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD23	9	1.49
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD23	9	1.49
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	11	1.49
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	11	1.49
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	11	1.49
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	12	1.49
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	2	1.49
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	12	1.49
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	5	1.49
(1,2826)	1:12:B:ILE:HD11	1:13:B:GLY:HA2	8	1.49
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	9	1.49
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	3	1.49
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	3	1.49
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD2	13	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD2	13	1.49
(1,2482)	1:8:B:LEU:HD22	1:32:B:PHE:HE1	2	1.49
(1,2481)	1:8:A:LEU:HD22	1:32:A:PHE:HE1	2	1.49
(1,2257)	1:54:A:LEU:HD12	1:51:A:ARG:HB2	15	1.49
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD23	4	1.49
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD21	8	1.49
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	13	1.49
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD13	15	1.49
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD13	15	1.49
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	8	1.49
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	8	1.49
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	2	1.48
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	2	1.48
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	6	1.48
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	6	1.48
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	10	1.48
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	10	1.48
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	11	1.48
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD12	8	1.48
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	12	1.48
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	1	1.48
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	6	1.48
(1,2825)	1:12:A:ILE:HD11	1:13:A:GLY:HA2	8	1.48
(1,2825)	1:12:A:ILE:HD11	1:13:A:GLY:HA2	15	1.48
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD22	13	1.48
(1,2274)	1:54:B:LEU:HD12	1:46:B:MET:HA	11	1.48
(1,2273)	1:54:A:LEU:HD12	1:46:A:MET:HA	11	1.48
(1,2270)	1:54:B:LEU:HD12	1:45:B:ILE:HA	11	1.48
(1,2269)	1:54:A:LEU:HD12	1:45:A:ILE:HA	11	1.48
(1,2258)	1:54:B:LEU:HD12	1:51:B:ARG:HB2	15	1.48
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	9	1.48
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	9	1.48
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	4	1.48
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	13	1.48
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD11	14	1.48
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	11	1.48
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	1	1.47
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	1	1.47
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	11	1.47
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD23	15	1.47
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD12	8	1.47
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD13	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	6	1.47
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	6	1.47
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	5	1.47
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD12	10	1.47
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD12	10	1.47
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	12	1.47
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	15	1.47
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	2	1.47
(1,2826)	1:12:B:ILE:HD13	1:13:B:GLY:HA2	14	1.47
(1,2826)	1:12:B:ILE:HD11	1:13:B:GLY:HA2	15	1.47
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	2	1.47
(1,2825)	1:12:A:ILE:HD13	1:13:A:GLY:HA2	14	1.47
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD23	7	1.47
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD23	7	1.47
(1,2611)	1:21:A:LEU:HD13	1:20:A:THR:HG21	11	1.47
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD21	6	1.47
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD23	13	1.47
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD23	13	1.47
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD22	13	1.47
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	7	1.47
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	7	1.47
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	8	1.47
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	8	1.47
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	14	1.47
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD11	14	1.47
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	15	1.47
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	15	1.47
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	6	1.46
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	11	1.46
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	14	1.46
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	4	1.46
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	12	1.46
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	12	1.46
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD21	6	1.46
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD21	6	1.46
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	11	1.46
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	11	1.46
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD23	15	1.46
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	12	1.46
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	12	1.46
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	13	1.46
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD13	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	8	1.46
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	8	1.46
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	3	1.46
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD12	15	1.46
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	3	1.46
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD12	15	1.46
(1,3155)	1:55:A:LEU:HD11	1:53:B:LYS:HD2	6	1.46
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	5	1.46
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	5	1.46
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	8	1.46
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	9	1.46
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	8	1.46
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	9	1.46
(1,2612)	1:21:B:LEU:HD13	1:20:B:THR:HG21	11	1.46
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD21	6	1.46
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD21	8	1.46
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD21	8	1.46
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	9	1.46
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	9	1.46
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	6	1.46
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	6	1.46
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	14	1.46
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	11	1.46
(1,514)	1:47:B:ASP:H	1:54:B:LEU:HD21	6	1.46
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	1	1.46
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	1	1.46
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	4	1.45
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	14	1.45
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	5	1.45
(2,3718)	1:22:B:LEU:HD13	1:21:B:LEU:HB3	3	1.45
(2,3718)	1:22:B:LEU:HD11	1:21:B:LEU:HB3	15	1.45
(2,3717)	1:22:A:LEU:HD13	1:21:A:LEU:HB3	3	1.45
(2,3717)	1:22:A:LEU:HD11	1:21:A:LEU:HB3	15	1.45
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	8	1.45
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	8	1.45
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	13	1.45
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD11	3	1.45
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD11	3	1.45
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	15	1.45
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	15	1.45
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	12	1.45
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD12	13	1.45
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD12	13	1.45
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	6	1.45
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD12	10	1.45
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD12	10	1.45
(1,2842)	1:45:B:ILE:HD11	1:23:B:LEU:HD12	11	1.45
(1,2826)	1:12:B:ILE:HD12	1:13:B:GLY:HA2	12	1.45
(1,2825)	1:12:A:ILE:HD12	1:13:A:GLY:HA2	12	1.45
(1,2804)	1:45:B:ILE:HG21	1:49:B:GLN:HB2	8	1.45
(1,2803)	1:45:A:ILE:HG21	1:49:A:GLN:HB2	8	1.45
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	7	1.45
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	12	1.45
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	4	1.45
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	12	1.45
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	3	1.45
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	3	1.45
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	12	1.45
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	12	1.45
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	12	1.45
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	11	1.45
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	11	1.45
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD21	6	1.45
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	7	1.45
(1,513)	1:47:A:ASP:H	1:54:A:LEU:HD21	6	1.45
(2,4916)	1:60:B:LEU:HD12	1:11:A:ARG:H	2	1.44
(2,4915)	1:60:A:LEU:HD12	1:11:B:ARG:H	2	1.44
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	5	1.44
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	10	1.44
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	10	1.44
(2,4114)	1:45:B:ILE:HG21	1:40:B:LEU:HB2	12	1.44
(2,4113)	1:45:A:ILE:HG21	1:40:A:LEU:HB2	12	1.44
(2,3718)	1:22:B:LEU:HD13	1:21:B:LEU:HB3	9	1.44
(2,3717)	1:22:A:LEU:HD13	1:21:A:LEU:HB3	9	1.44
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	2	1.44
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	3	1.44
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	2	1.44
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	3	1.44
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD21	3	1.44
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	7	1.44
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	12	1.44
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	2	1.44
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	15	1.44
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	12	1.44
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	12	1.44
(1,2841)	1:45:A:ILE:HD11	1:23:A:LEU:HD12	11	1.44
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	7	1.44
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD11	2	1.44
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD13	5	1.44
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD13	6	1.44
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD11	2	1.44
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD13	5	1.44
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD13	6	1.44
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	4	1.44
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	12	1.44
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	2	1.44
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	2	1.44
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	12	1.44
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	12	1.44
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD23	2	1.44
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	7	1.44
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	10	1.43
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	10	1.43
(2,3718)	1:22:B:LEU:HD12	1:21:B:LEU:HB3	6	1.43
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD22	8	1.43
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD22	8	1.43
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	2	1.43
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	2	1.43
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD21	3	1.43
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	7	1.43
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD22	12	1.43
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD22	12	1.43
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	3	1.43
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	3	1.43
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	1	1.43
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	1	1.43
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD12	4	1.43
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD12	4	1.43
(1,2510)	1:61:B:LEU:HD21	1:63:B:ASP:HA	9	1.43
(1,2509)	1:61:A:LEU:HD21	1:63:A:ASP:HA	9	1.43
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	6	1.43
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	6	1.43
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	9	1.43
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	8	1.43
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD23	2	1.43
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	3	1.43
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	6	1.42
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	8	1.42
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	7	1.42
(2,4114)	1:45:B:ILE:HG21	1:40:B:LEU:HB2	2	1.42
(2,4113)	1:45:A:ILE:HG21	1:40:A:LEU:HB2	2	1.42
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	1	1.42
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	1	1.42
(2,3717)	1:22:A:LEU:HD12	1:21:A:LEU:HB3	6	1.42
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	12	1.42
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	12	1.42
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	1	1.42
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	14	1.42
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	14	1.42
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	12	1.42
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	12	1.42
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	15	1.42
(1,2804)	1:45:B:ILE:HG23	1:49:B:GLN:HB2	15	1.42
(1,2803)	1:45:A:ILE:HG23	1:49:A:GLN:HB2	15	1.42
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	8	1.42
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	8	1.42
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	2	1.42
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	4	1.42
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	2	1.42
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	4	1.42
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	1	1.42
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	9	1.42
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	1	1.42
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	9	1.42
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	8	1.42
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	8	1.42
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	8	1.42
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	4	1.42
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD12	8	1.42
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD12	8	1.42
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	3	1.42
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	1	1.41
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	1	1.41
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	1	1.41
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4832)	1:62:B:LEU:HD23	1:11:A:ARG:HA	11	1.41
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	11	1.41
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	11	1.41
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	14	1.41
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	14	1.41
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	14	1.41
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	14	1.41
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	8	1.41
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	9	1.41
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	10	1.41
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	9	1.41
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	7	1.41
(2,3718)	1:22:B:LEU:HD11	1:21:B:LEU:HB3	14	1.41
(2,3717)	1:22:A:LEU:HD11	1:21:A:LEU:HB3	14	1.41
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	1	1.41
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	14	1.41
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	14	1.41
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	5	1.41
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	5	1.41
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	8	1.41
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	8	1.41
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	2	1.41
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	8	1.41
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	8	1.41
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	8	1.41
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD12	6	1.41
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD11	4	1.41
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	13	1.41
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	13	1.41
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	3	1.41
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	3	1.41
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	2	1.41
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	2	1.41
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD2	7	1.41
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD2	7	1.41
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	2	1.41
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	7	1.41
(1,2270)	1:54:B:LEU:HD13	1:45:B:ILE:HA	12	1.41
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	12	1.41
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD21	8	1.41
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	4	1.41
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD11	9	1.41
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD11	9	1.41
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD11	1	1.41
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD11	1	1.41
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	11	1.41
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD11	13	1.41
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	9	1.41
(2,4923)	1:60:A:LEU:HD13	1:2:B:PRO:HG2	15	1.4
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	5	1.4
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	6	1.4
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	3	1.4
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	3	1.4
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	5	1.4
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	10	1.4
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	2	1.4
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	4	1.4
(2,3718)	1:22:B:LEU:HD12	1:21:B:LEU:HB3	4	1.4
(2,3718)	1:22:B:LEU:HD11	1:21:B:LEU:HB3	12	1.4
(2,3717)	1:22:A:LEU:HD12	1:21:A:LEU:HB3	4	1.4
(2,3717)	1:22:A:LEU:HD11	1:21:A:LEU:HB3	12	1.4
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	5	1.4
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	5	1.4
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD22	5	1.4
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD22	5	1.4
(2,2286)	1:61:B:LEU:HB2	1:65:B:ASP:HB3	10	1.4
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	2	1.4
(1,3118)	1:2:B:PRO:HD2	1:60:A:LEU:HD11	4	1.4
(1,3117)	1:2:A:PRO:HD2	1:60:B:LEU:HD12	6	1.4
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	6	1.4
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD12	1	1.4
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD12	1	1.4
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	9	1.4
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	9	1.4
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	15	1.4
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	7	1.4
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	7	1.4
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	15	1.4
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	2	1.4
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	7	1.4
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	8	1.4
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	8	1.4
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	13	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	5	1.4
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	5	1.4
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	5	1.4
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	11	1.4
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD11	13	1.4
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	13	1.4
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	9	1.4
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	13	1.4
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	10	1.4
(2,4924)	1:60:B:LEU:HD13	1:2:A:PRO:HG2	3	1.39
(2,4924)	1:60:B:LEU:HD11	1:2:A:PRO:HG2	11	1.39
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	5	1.39
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	3	1.39
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	3	1.39
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	13	1.39
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	2	1.39
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	4	1.39
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	10	1.39
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	10	1.39
(2,3452)	1:17:B:HIS:HB2	1:9:B:LEU:HD23	2	1.39
(2,3451)	1:17:A:HIS:HB2	1:9:A:LEU:HD23	2	1.39
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	4	1.39
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	5	1.39
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	6	1.39
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	7	1.39
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	5	1.39
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	7	1.39
(2,2285)	1:61:A:LEU:HB2	1:65:A:ASP:HB3	10	1.39
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD22	9	1.39
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD22	9	1.39
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	4	1.39
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	4	1.39
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	12	1.39
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	12	1.39
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	6	1.39
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	13	1.39
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	13	1.39
(1,2665)	1:9:A:LEU:HD11	1:21:A:LEU:HA	15	1.39
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	2	1.39
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	15	1.39
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	2	1.39
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	4	1.39
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	4	1.39
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE1	10	1.39
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	13	1.39
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	11	1.39
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	11	1.39
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	10	1.39
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD13	13	1.39
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD13	13	1.39
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD13	11	1.39
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD13	11	1.39
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	10	1.39
(2,4923)	1:60:A:LEU:HD13	1:2:B:PRO:HG2	3	1.38
(2,4923)	1:60:A:LEU:HD11	1:2:B:PRO:HG2	11	1.38
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD13	8	1.38
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	5	1.38
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	1	1.38
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	1	1.38
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	3	1.38
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	13	1.38
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	4	1.38
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	6	1.38
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	9	1.38
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	9	1.38
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	8	1.38
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	15	1.38
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD12	15	1.38
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD11	7	1.38
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD11	7	1.38
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	14	1.38
(1,2666)	1:9:B:LEU:HD13	1:21:B:LEU:HA	4	1.38
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	5	1.38
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	11	1.38
(1,2666)	1:9:B:LEU:HD11	1:21:B:LEU:HA	15	1.38
(1,2665)	1:9:A:LEU:HD13	1:21:A:LEU:HA	4	1.38
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	5	1.38
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	1	1.38
(1,2538)	1:54:B:LEU:HD22	1:18:B:THR:HA	12	1.38
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	1	1.38
(1,2537)	1:54:A:LEU:HD22	1:18:A:THR:HA	12	1.38
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE1	10	1.38
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	6	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	12	1.38
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	12	1.38
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	10	1.38
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	12	1.38
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	12	1.38
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD22	9	1.38
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD22	9	1.38
(2,4924)	1:60:B:LEU:HD13	1:2:A:PRO:HG2	15	1.37
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD13	8	1.37
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	3	1.37
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	15	1.37
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	15	1.37
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD23	4	1.37
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	2	1.37
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD21	7	1.37
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD21	7	1.37
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD13	2	1.37
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	2	1.37
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	12	1.37
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	10	1.37
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	12	1.37
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	10	1.37
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	7	1.37
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	11	1.37
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	14	1.37
(1,2673)	1:4:A:THR:HG22	1:29:A:LEU:HA	11	1.37
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	11	1.37
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD23	3	1.37
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD23	3	1.37
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD1	10	1.37
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	14	1.37
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	14	1.37
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	6	1.37
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	9	1.37
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	8	1.37
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	8	1.37
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	12	1.37
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	12	1.37
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	1	1.37
(1,10)	1:11:B:ARG:H	1:59:A:GLU:HB2	14	1.37
(1,9)	1:11:A:ARG:H	1:59:B:GLU:HB2	14	1.37
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	12	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	15	1.36
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	12	1.36
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	1	1.36
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	1	1.36
(2,4114)	1:45:B:ILE:HG23	1:40:B:LEU:HB2	11	1.36
(2,4113)	1:45:A:ILE:HG23	1:40:A:LEU:HB2	11	1.36
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD23	4	1.36
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	4	1.36
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	4	1.36
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	2	1.36
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	12	1.36
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	12	1.36
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	9	1.36
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD23	2	1.36
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD23	2	1.36
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD13	2	1.36
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD11	9	1.36
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD11	9	1.36
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	9	1.36
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	9	1.36
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD23	7	1.36
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	5	1.36
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	5	1.36
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	2	1.36
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	8	1.36
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	9	1.36
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	9	1.36
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	11	1.36
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD11	8	1.36
(1,2674)	1:4:B:THR:HG22	1:29:B:LEU:HA	11	1.36
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	1	1.36
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	1	1.36
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD1	2	1.36
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD1	10	1.36
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD2	11	1.36
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	10	1.36
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	10	1.36
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	9	1.36
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	12	1.36
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	13	1.36
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	12	1.36
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	6	1.36
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	6	1.36
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD21	8	1.36
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	6	1.36
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	7	1.36
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HA	10	1.36
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HA	10	1.36
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD21	12	1.36
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	14	1.36
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	6	1.35
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG21	4	1.35
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG21	4	1.35
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	15	1.35
(2,4426)	1:14:B:LEU:HB3	1:9:B:LEU:HB2	7	1.35
(2,4425)	1:14:A:LEU:HB3	1:9:A:LEU:HB2	7	1.35
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	13	1.35
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	13	1.35
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	13	1.35
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	13	1.35
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	4	1.35
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	7	1.35
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	4	1.35
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	7	1.35
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	9	1.35
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	3	1.35
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	3	1.35
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	12	1.35
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	1	1.35
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD23	7	1.35
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	1	1.35
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	1	1.35
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	1	1.35
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	7	1.35
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD12	15	1.35
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD11	8	1.35
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	11	1.35
(1,2538)	1:54:B:LEU:HD23	1:18:B:THR:HA	11	1.35
(1,2537)	1:54:A:LEU:HD23	1:18:A:THR:HA	11	1.35
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD2	6	1.35
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD1	2	1.35
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD2	6	1.35
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD2	11	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	4	1.35
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	4	1.35
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD21	9	1.35
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	14	1.35
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD21	9	1.35
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	3	1.35
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	7	1.35
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	3	1.35
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	7	1.35
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	10	1.35
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	1	1.35
(1,1538)	1:43:B:LEU:HB2	1:24:B:ASN:H	6	1.35
(1,1537)	1:43:A:LEU:HB2	1:24:A:ASN:H	1	1.35
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	7	1.35
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD21	5	1.35
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	9	1.35
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	1	1.35
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	9	1.35
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG21	11	1.35
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	5	1.35
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	14	1.35
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	11	1.35
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	11	1.35
(2,4832)	1:62:B:LEU:HD21	1:11:A:ARG:HA	7	1.34
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	7	1.34
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	7	1.34
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	10	1.34
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	12	1.34
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	12	1.34
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	14	1.34
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	14	1.34
(2,3444)	1:26:B:TYR:HB3	1:21:B:LEU:HD23	12	1.34
(2,3443)	1:26:A:TYR:HB3	1:21:A:LEU:HD23	12	1.34
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	1	1.34
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD13	15	1.34
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD23	6	1.34
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD23	6	1.34
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	13	1.34
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	13	1.34
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD21	10	1.34
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD21	10	1.34
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	9	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	9	1.34
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	1	1.34
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG21	11	1.34
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	1	1.34
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	13	1.34
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	15	1.34
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	11	1.34
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	6	1.34
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	10	1.34
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	10	1.34
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	14	1.34
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	9	1.34
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	2	1.34
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	10	1.34
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	7	1.34
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD21	12	1.34
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG21	11	1.34
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	5	1.34
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD23	3	1.34
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD23	3	1.34
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	8	1.34
(2,4831)	1:62:A:LEU:HD21	1:11:B:ARG:HA	7	1.33
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	12	1.33
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	15	1.33
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	12	1.33
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	15	1.33
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	10	1.33
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	11	1.33
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	11	1.33
(2,4114)	1:45:B:ILE:HG22	1:40:B:LEU:HB2	3	1.33
(2,4113)	1:45:A:ILE:HG22	1:40:A:LEU:HB2	3	1.33
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD13	5	1.33
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	15	1.33
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	15	1.33
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	4	1.33
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	4	1.33
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	12	1.33
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD13	15	1.33
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD21	7	1.33
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	14	1.33
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	14	1.33
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	1	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	13	1.33
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG21	3	1.33
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	15	1.33
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB1	2	1.33
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB1	2	1.33
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD13	13	1.33
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD13	13	1.33
(1,2673)	1:4:A:THR:HG23	1:6:A:HIS:HA	15	1.33
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	14	1.33
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	14	1.33
(1,2666)	1:9:B:LEU:HD12	1:21:B:LEU:HA	6	1.33
(1,2665)	1:9:A:LEU:HD12	1:21:A:LEU:HA	6	1.33
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	5	1.33
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	5	1.33
(1,2512)	1:61:B:LEU:HD22	1:32:B:PHE:HD1	1	1.33
(1,2511)	1:61:A:LEU:HD22	1:32:A:PHE:HD1	1	1.33
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	9	1.33
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	5	1.33
(1,2269)	1:54:A:LEU:HD11	1:45:A:ILE:HA	5	1.33
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	10	1.33
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	13	1.33
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	13	1.33
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	2	1.33
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	4	1.33
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	7	1.33
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD21	5	1.33
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	11	1.33
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	2	1.33
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD12	12	1.33
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	7	1.33
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	8	1.33
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	5	1.32
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE2	10	1.32
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	5	1.32
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE2	10	1.32
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	3	1.32
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD13	5	1.32
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	15	1.32
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	9	1.32
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD21	7	1.32
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	8	1.32
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	4	1.32
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	10	1.32
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	7	1.32
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	2	1.32
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	5	1.32
(1,2674)	1:4:B:THR:HG23	1:6:B:HIS:HA	15	1.32
(1,2578)	1:43:B:LEU:HD21	1:20:B:THR:HA	12	1.32
(1,2577)	1:43:A:LEU:HD21	1:20:A:THR:HA	12	1.32
(1,2538)	1:54:B:LEU:HD23	1:18:B:THR:HA	14	1.32
(1,2537)	1:54:A:LEU:HD23	1:18:A:THR:HA	14	1.32
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	9	1.32
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	9	1.32
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	6	1.32
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD1	5	1.32
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	14	1.32
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	14	1.32
(1,2270)	1:54:B:LEU:HD11	1:45:B:ILE:HA	14	1.32
(1,2269)	1:54:A:LEU:HD13	1:45:A:ILE:HA	14	1.32
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	10	1.32
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	4	1.32
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	9	1.32
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD23	1	1.32
(1,1090)	1:28:B:THR:HA	1:5:B:LEU:HD13	3	1.32
(1,1089)	1:28:A:THR:HA	1:5:A:LEU:HD13	3	1.32
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	11	1.32
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	6	1.32
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	2	1.32
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD12	12	1.32
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	7	1.32
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	3	1.31
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	1	1.31
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	1	1.31
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	4	1.31
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	1	1.31
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	13	1.31
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	1	1.31
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	13	1.31
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	4	1.31
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	7	1.31
(2,3487)	1:61:A:LEU:HD11	1:32:A:PHE:HZ	5	1.31
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	7	1.31
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	9	1.31
(2,2732)	1:42:B:GLU:HG3	1:43:B:LEU:HD12	12	1.31
(2,2731)	1:42:A:GLU:HG3	1:43:A:LEU:HD12	12	1.31
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD23	8	1.31
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	13	1.31
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD23	8	1.31
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	13	1.31
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	3	1.31
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	3	1.31
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	4	1.31
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	4	1.31
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	4	1.31
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	2	1.31
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG21	3	1.31
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	10	1.31
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	1	1.31
(1,2988)	1:26:B:TYR:HD2	1:43:B:LEU:HB2	11	1.31
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	1	1.31
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	6	1.31
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	1	1.31
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	5	1.31
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	1	1.31
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD1	5	1.31
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	2	1.31
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	2	1.31
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	15	1.31
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	15	1.31
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	9	1.31
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD23	1	1.31
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG21	6	1.31
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	1	1.31
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	1	1.31
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD22	13	1.31
(1,324)	1:28:B:THR:H	1:33:B:LYS:HG3	14	1.31
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	9	1.3
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	9	1.3
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	8	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	2	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	3	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	4	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	6	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	14	1.3
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	15	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	2	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	3	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	6	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	12	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	14	1.3
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	15	1.3
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	2	1.3
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	3	1.3
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	2	1.3
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	3	1.3
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	7	1.3
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	7	1.3
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD13	4	1.3
(2,3488)	1:61:B:LEU:HD11	1:32:B:PHE:HZ	5	1.3
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	1	1.3
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	1	1.3
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	8	1.3
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	4	1.3
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	10	1.3
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	4	1.3
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	4	1.3
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG21	11	1.3
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	10	1.3
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	15	1.3
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	15	1.3
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	5	1.3
(1,2987)	1:26:A:TYR:HD2	1:43:A:LEU:HB2	11	1.3
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	1	1.3
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB1	6	1.3
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB1	6	1.3
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	1	1.3
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	12	1.3
(1,2673)	1:4:A:THR:HG23	1:6:A:HIS:HA	6	1.3
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	12	1.3
(1,2568)	1:40:B:LEU:HD13	1:43:B:LEU:HA	13	1.3
(1,2567)	1:40:A:LEU:HD13	1:43:A:LEU:HA	13	1.3
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	10	1.3
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	15	1.3
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	10	1.3
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD23	13	1.3
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	3	1.3
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	2	1.3
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	2	1.3
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	12	1.3
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	12	1.3
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD22	12	1.3
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD23	10	1.3
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG21	6	1.3
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	6	1.3
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD22	13	1.3
(1,323)	1:28:A:THR:H	1:33:A:LYS:HG3	14	1.3
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	11	1.29
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	11	1.29
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	8	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	1	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	7	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD21	8	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD21	9	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD21	11	1.29
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD23	13	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	1	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD21	8	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD21	9	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD21	11	1.29
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD23	13	1.29
(2,3826)	1:40:B:LEU:HD13	1:36:B:ARG:HA	3	1.29
(2,3825)	1:40:A:LEU:HD13	1:36:A:ARG:HA	3	1.29
(2,3802)	1:21:B:LEU:HD11	1:17:B:HIS:HB3	3	1.29
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	10	1.29
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	10	1.29
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD11	1	1.29
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD22	13	1.29
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	8	1.29
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	4	1.29
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	1	1.29
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	7	1.29
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	7	1.29
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	8	1.29
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	9	1.29
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	5	1.29
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	7	1.29
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	10	1.29
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	11	1.29
(1,2758)	1:57:B:ALA:HB3	1:59:A:GLU:HB2	2	1.29
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	2	1.29
(1,2674)	1:4:B:THR:HG23	1:6:B:HIS:HA	6	1.29
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	2	1.29
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	8	1.29
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	9	1.29
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	8	1.29
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	9	1.29
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD23	13	1.29
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD12	2	1.29
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD12	2	1.29
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	3	1.29
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	4	1.29
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	5	1.29
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	4	1.29
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	13	1.29
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	10	1.29
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD23	10	1.29
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD13	10	1.29
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD12	14	1.29
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD13	10	1.29
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD12	14	1.29
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	11	1.28
(2,4598)	1:54:B:LEU:HD21	1:17:B:HIS:HD2	10	1.28
(2,4597)	1:54:A:LEU:HD21	1:17:A:HIS:HD2	10	1.28
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD21	5	1.28
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD21	5	1.28
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	7	1.28
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	7	1.28
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD22	6	1.28
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD22	6	1.28
(2,3801)	1:21:A:LEU:HD11	1:17:A:HIS:HB3	3	1.28
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD23	6	1.28
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD23	6	1.28
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD11	1	1.28
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD11	6	1.28
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD11	6	1.28
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD22	13	1.28
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	2	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	2	1.28
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	10	1.28
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	10	1.28
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	4	1.28
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	4	1.28
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	6	1.28
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	12	1.28
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	12	1.28
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD21	12	1.28
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD21	12	1.28
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	10	1.28
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	1	1.28
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD12	2	1.28
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG23	4	1.28
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	8	1.28
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	8	1.28
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	9	1.28
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	1	1.28
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	10	1.28
(1,2757)	1:57:A:ALA:HB3	1:59:B:GLU:HB2	2	1.28
(1,2560)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	7	1.28
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	11	1.28
(1,2559)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	7	1.28
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	11	1.28
(1,2512)	1:61:B:LEU:HD23	1:32:B:PHE:HD1	15	1.28
(1,2511)	1:61:A:LEU:HD23	1:32:A:PHE:HD1	15	1.28
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	2	1.28
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	2	1.28
(1,2494)	1:35:B:LEU:HD11	1:32:B:PHE:HE1	11	1.28
(1,2493)	1:35:A:LEU:HD11	1:32:A:PHE:HE1	11	1.28
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	10	1.28
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	5	1.28
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	10	1.28
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	10	1.28
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	13	1.28
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	7	1.28
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD11	4	1.28
(2,4832)	1:62:B:LEU:HD23	1:11:A:ARG:HA	6	1.27
(2,4825)	1:55:A:LEU:HD22	1:53:B:LYS:HE3	9	1.27
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	4	1.27
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	4	1.27
(2,4424)	1:9:B:LEU:HB3	1:9:B:LEU:HD22	10	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4423)	1:9:A:LEU:HB3	1:9:A:LEU:HD22	10	1.27
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	7	1.27
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD11	15	1.27
(2,3802)	1:21:B:LEU:HD11	1:17:B:HIS:HB3	6	1.27
(2,3802)	1:21:B:LEU:HD11	1:17:B:HIS:HB3	15	1.27
(2,3801)	1:21:A:LEU:HD11	1:17:A:HIS:HB3	6	1.27
(2,3718)	1:22:B:LEU:HD13	1:21:B:LEU:HB3	1	1.27
(2,3717)	1:22:A:LEU:HD13	1:21:A:LEU:HB3	1	1.27
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD11	5	1.27
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD12	11	1.27
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD11	5	1.27
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD12	11	1.27
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	2	1.27
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	2	1.27
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD22	15	1.27
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	4	1.27
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	4	1.27
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	10	1.27
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD12	2	1.27
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	8	1.27
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	1	1.27
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	2	1.27
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB1	7	1.27
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB1	7	1.27
(1,2738)	1:58:B:ALA:HB3	1:61:B:LEU:HD12	3	1.27
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD21	5	1.27
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD23	12	1.27
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD21	5	1.27
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD23	12	1.27
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	2	1.27
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	2	1.27
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	4	1.27
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD22	12	1.27
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	3	1.27
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	6	1.27
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	10	1.27
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	14	1.27
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	14	1.27
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	7	1.27
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	10	1.27
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD11	4	1.27
(1,414)	1:35:B:LEU:H	1:43:B:LEU:HD11	7	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:35:A:LEU:H	1:43:A:LEU:HD11	7	1.27
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	5	1.27
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	10	1.26
(2,4826)	1:55:B:LEU:HD22	1:53:A:LYS:HE3	9	1.26
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	15	1.26
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	15	1.26
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD11	15	1.26
(2,3822)	1:40:B:LEU:HD11	1:45:B:ILE:HD12	7	1.26
(2,3821)	1:40:A:LEU:HD11	1:45:A:ILE:HD12	7	1.26
(2,3801)	1:21:A:LEU:HD11	1:17:A:HIS:HB3	15	1.26
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	12	1.26
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD22	13	1.26
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	12	1.26
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	7	1.26
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	7	1.26
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	6	1.26
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	6	1.26
(2,3020)	1:36:B:ARG:HA	1:39:B:HIS:HB3	8	1.26
(2,3019)	1:36:A:ARG:HA	1:39:A:HIS:HB3	8	1.26
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	4	1.26
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	4	1.26
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD23	5	1.26
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD22	1	1.26
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD22	1	1.26
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD21	7	1.26
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD21	7	1.26
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	7	1.26
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	14	1.26
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG23	4	1.26
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	14	1.26
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	12	1.26
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	12	1.26
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	2	1.26
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	15	1.26
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	10	1.26
(1,2742)	1:58:B:ALA:HB3	1:62:B:LEU:HB2	1	1.26
(1,2741)	1:58:A:ALA:HB3	1:62:A:LEU:HB2	1	1.26
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB2	11	1.26
(1,2737)	1:58:A:ALA:HB3	1:61:A:LEU:HD12	3	1.26
(1,2718)	1:52:B:ALA:HB2	1:55:B:LEU:HD21	10	1.26
(1,2717)	1:52:A:ALA:HB2	1:55:A:LEU:HD21	10	1.26
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2560)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	13	1.26
(1,2560)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	14	1.26
(1,2559)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	13	1.26
(1,2559)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	14	1.26
(1,2538)	1:50:B:HIS:HA	1:54:B:LEU:HD22	4	1.26
(1,2537)	1:50:A:HIS:HA	1:54:A:LEU:HD22	4	1.26
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	15	1.26
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	15	1.26
(1,2258)	1:54:B:LEU:HD12	1:51:B:ARG:HB2	11	1.26
(1,2257)	1:54:A:LEU:HD12	1:51:A:ARG:HB2	11	1.26
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	4	1.26
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	3	1.26
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	6	1.26
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	10	1.26
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	10	1.26
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD13	1	1.26
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	5	1.26
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD13	1	1.26
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	5	1.26
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	12	1.26
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	12	1.26
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	5	1.26
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	11	1.25
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	15	1.25
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	9	1.25
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	3	1.25
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD21	9	1.25
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	10	1.25
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	12	1.25
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	3	1.25
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD21	9	1.25
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	10	1.25
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	12	1.25
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	14	1.25
(2,3718)	1:22:B:LEU:HD12	1:21:B:LEU:HB3	2	1.25
(2,3717)	1:22:A:LEU:HD12	1:21:A:LEU:HB3	2	1.25
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD22	13	1.25
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	4	1.25
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	4	1.25
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD23	5	1.25
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	9	1.25
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	12	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	14	1.25
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	14	1.25
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	3	1.25
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	1	1.25
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	15	1.25
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	1	1.25
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	10	1.25
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB2	11	1.25
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD12	14	1.25
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD12	14	1.25
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	3	1.25
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	12	1.25
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	12	1.25
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	7	1.25
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	7	1.25
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	14	1.25
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	14	1.25
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	13	1.25
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD23	13	1.25
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	12	1.25
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	10	1.25
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	4	1.24
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	6	1.24
(2,4688)	1:54:B:LEU:HB2	1:32:B:PHE:HE1	6	1.24
(2,4687)	1:54:A:LEU:HB2	1:32:A:PHE:HE1	6	1.24
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	7	1.24
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	7	1.24
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	3	1.24
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD21	6	1.24
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	7	1.24
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	10	1.24
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	11	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	3	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD21	6	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	7	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	10	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	11	1.24
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	15	1.24
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	9	1.24
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	12	1.24
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	12	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	2	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	8	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	14	1.24
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	15	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	2	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	8	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD21	13	1.24
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	15	1.24
(2,3728)	1:22:B:LEU:HD13	1:22:B:LEU:H	9	1.24
(2,3727)	1:22:A:LEU:HD13	1:22:A:LEU:H	9	1.24
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	2	1.24
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	2	1.24
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	12	1.24
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	12	1.24
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	9	1.24
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD22	15	1.24
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	6	1.24
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	7	1.24
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	7	1.24
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	12	1.24
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	9	1.24
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	9	1.24
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	15	1.24
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	15	1.24
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG22	9	1.24
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG22	9	1.24
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	3	1.24
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	3	1.24
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	3	1.24
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	12	1.24
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	3	1.24
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	12	1.24
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD12	3	1.24
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	11	1.24
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	1	1.24
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	2	1.24
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	2	1.24
(1,2559)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	5	1.24
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	8	1.24
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	8	1.24
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	9	1.24
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	9	1.24
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	13	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	4	1.24
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	4	1.24
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG22	2	1.24
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD23	13	1.24
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	12	1.24
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	13	1.24
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	9	1.24
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	10	1.24
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	10	1.24
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	4	1.23
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	5	1.23
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	7	1.23
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	10	1.23
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	8	1.23
(2,4724)	1:52:B:ALA:HB2	1:49:A:GLN:HG3	13	1.23
(2,4723)	1:52:A:ALA:HB2	1:49:B:GLN:HG3	13	1.23
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	13	1.23
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	13	1.23
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	13	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	1	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	4	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	5	1.23
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	12	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	1	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	4	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	5	1.23
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	12	1.23
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD21	13	1.23
(2,3822)	1:40:B:LEU:HD11	1:45:B:ILE:HD13	14	1.23
(2,3821)	1:40:A:LEU:HD11	1:45:A:ILE:HD13	14	1.23
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD22	5	1.23
(2,2685)	1:7:A:GLU:HG2	1:6:A:HIS:HB2	13	1.23
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	2	1.23
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	2	1.23
(1,3121)	1:53:A:LYS:HD3	1:56:B:THR:HG21	15	1.23
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	7	1.23
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	3	1.23
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	7	1.23
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	7	1.23
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	6	1.23
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	7	1.23
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	7	1.23
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	13	1.23
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD21	4	1.23
(1,2560)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	1	1.23
(1,2560)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	5	1.23
(1,2559)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	1	1.23
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	1	1.23
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	1	1.23
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	5	1.23
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	3	1.23
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	3	1.23
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	11	1.23
(1,2273)	1:54:A:LEU:HD11	1:46:A:MET:HA	5	1.23
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	7	1.23
(1,2202)	1:29:B:LEU:HG	1:30:B:GLU:HG2	15	1.23
(1,2201)	1:29:A:LEU:HG	1:30:A:GLU:HG2	15	1.23
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	4	1.23
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	4	1.23
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	2	1.23
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG22	2	1.23
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	13	1.23
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	2	1.23
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	2	1.23
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	2	1.23
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD13	3	1.23
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	10	1.23
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	2	1.23
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD13	3	1.23
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	9	1.22
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	5	1.22
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	9	1.22
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG21	9	1.22
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	13	1.22
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	13	1.22
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD21	14	1.22
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	8	1.22
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD23	9	1.22
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD22	13	1.22
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD21	14	1.22
(2,3728)	1:22:B:LEU:HD13	1:22:B:LEU:H	3	1.22
(2,3728)	1:22:B:LEU:HD11	1:22:B:LEU:H	13	1.22
(2,3727)	1:22:A:LEU:HD11	1:22:A:LEU:H	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD11	11	1.22
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD11	11	1.22
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	14	1.22
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	14	1.22
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD23	3	1.22
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD23	3	1.22
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD22	5	1.22
(2,2686)	1:7:B:GLU:HG2	1:6:B:HIS:HB2	13	1.22
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	2	1.22
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	9	1.22
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	9	1.22
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	2	1.22
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	6	1.22
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	15	1.22
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	4	1.22
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	4	1.22
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	14	1.22
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	14	1.22
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD12	3	1.22
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	1	1.22
(1,2742)	1:58:B:ALA:HB1	1:62:B:LEU:HB2	3	1.22
(1,2741)	1:58:A:ALA:HB1	1:62:A:LEU:HB2	3	1.22
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD21	4	1.22
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	1	1.22
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	4	1.22
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	4	1.22
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	12	1.22
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD12	13	1.22
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	12	1.22
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD12	13	1.22
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	5	1.22
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	12	1.22
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	12	1.22
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	11	1.22
(1,2274)	1:54:B:LEU:HD11	1:46:B:MET:HA	5	1.22
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	7	1.22
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	1	1.22
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	1	1.22
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	2	1.22
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	1	1.22
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	1	1.22
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD11	12	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD11	12	1.22
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	7	1.21
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	14	1.21
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG21	9	1.21
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD21	2	1.21
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD22	8	1.21
(2,4394)	1:8:B:LEU:HB3	1:8:B:LEU:HD23	9	1.21
(2,4393)	1:8:A:LEU:HB3	1:8:A:LEU:HD21	2	1.21
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	7	1.21
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	7	1.21
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	2	1.21
(2,3728)	1:22:B:LEU:HD12	1:22:B:LEU:H	6	1.21
(2,3728)	1:22:B:LEU:HD11	1:22:B:LEU:H	12	1.21
(2,3727)	1:22:A:LEU:HD13	1:22:A:LEU:H	3	1.21
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	6	1.21
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD12	14	1.21
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD12	14	1.21
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	10	1.21
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	8	1.21
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	8	1.21
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	13	1.21
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	12	1.21
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	12	1.21
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD22	13	1.21
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD22	13	1.21
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	6	1.21
(2,1270)	1:44:B:ASN:HD22	1:45:B:ILE:HA	9	1.21
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	11	1.21
(1,3122)	1:53:B:LYS:HD3	1:56:A:THR:HG21	15	1.21
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	4	1.21
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	1	1.21
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	8	1.21
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD12	9	1.21
(1,2828)	1:12:B:ILE:HD13	1:56:B:THR:HB	9	1.21
(1,2827)	1:12:A:ILE:HD13	1:56:A:THR:HB	9	1.21
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	13	1.21
(1,2742)	1:58:B:ALA:HB1	1:62:B:LEU:HB2	5	1.21
(1,2741)	1:58:A:ALA:HB1	1:62:A:LEU:HB2	5	1.21
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	2	1.21
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	13	1.21
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	13	1.21
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	14	1.21
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	14	1.21
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	1	1.21
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	6	1.21
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	6	1.21
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	3	1.21
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	15	1.21
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	3	1.21
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	15	1.21
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	12	1.21
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD21	10	1.21
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	11	1.21
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	7	1.21
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	7	1.21
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	6	1.21
(1,2070)	1:33:B:LYS:HD2	1:62:B:LEU:HA	14	1.21
(1,2069)	1:33:A:LYS:HD2	1:62:A:LEU:HA	14	1.21
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	5	1.21
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG21	15	1.21
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	8	1.21
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	8	1.21
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	9	1.21
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD22	5	1.21
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD22	5	1.21
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	11	1.21
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	11	1.21
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	6	1.2
(2,4825)	1:55:A:LEU:HD23	1:53:B:LYS:HE3	8	1.2
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	14	1.2
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	9	1.2
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	9	1.2
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	2	1.2
(2,3727)	1:22:A:LEU:HD12	1:22:A:LEU:H	6	1.2
(2,3727)	1:22:A:LEU:HD11	1:22:A:LEU:H	12	1.2
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	6	1.2
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	11	1.2
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	6	1.2
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	6	1.2
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD22	9	1.2
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD22	9	1.2
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	13	1.2
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	6	1.2
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	6	1.2
(2,1269)	1:44:A:ASN:HD22	1:45:A:ILE:HA	9	1.2
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	4	1.2
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	1	1.2
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	7	1.2
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	7	1.2
(1,3039)	1:45:A:ILE:HA	1:50:A:HIS:HE1	8	1.2
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	4	1.2
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	8	1.2
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	8	1.2
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD12	9	1.2
(1,2758)	1:57:B:ALA:HB3	1:59:A:GLU:HB2	9	1.2
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB3	9	1.2
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	2	1.2
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	2	1.2
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	2	1.2
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	14	1.2
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	7	1.2
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	7	1.2
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	3	1.2
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD21	10	1.2
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	12	1.2
(1,2482)	1:8:B:LEU:HD21	1:32:B:PHE:HE2	4	1.2
(1,2481)	1:8:A:LEU:HD21	1:32:A:PHE:HE2	4	1.2
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	1	1.2
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	1	1.2
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	15	1.2
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	6	1.2
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	15	1.2
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	5	1.2
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	5	1.2
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG21	15	1.2
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	5	1.2
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	12	1.2
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	12	1.2
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	13	1.2
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	13	1.2
(1,412)	1:35:B:LEU:H	1:21:B:LEU:HD13	10	1.2
(2,4724)	1:52:B:ALA:HB2	1:49:A:GLN:HG3	10	1.19
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	4	1.19
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4662)	1:6:B:HIS:HD2	1:18:B:THR:HA	3	1.19
(2,4661)	1:6:A:HIS:HD2	1:18:A:THR:HA	3	1.19
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	15	1.19
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	12	1.19
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	12	1.19
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	14	1.19
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	14	1.19
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	11	1.19
(2,3496)	1:5:B:LEU:HD12	1:18:B:THR:HB	8	1.19
(2,3495)	1:5:A:LEU:HD12	1:18:A:THR:HB	8	1.19
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	1	1.19
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	1	1.19
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	10	1.19
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD22	11	1.19
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD21	3	1.19
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	15	1.19
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	15	1.19
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	9	1.19
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	14	1.19
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	11	1.19
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	15	1.19
(1,2987)	1:26:A:TYR:HD1	1:43:A:LEU:HB2	6	1.19
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	4	1.19
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	10	1.19
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	4	1.19
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	4	1.19
(1,2828)	1:12:B:ILE:HD13	1:56:A:THR:HB	15	1.19
(1,2757)	1:57:A:ALA:HB3	1:59:B:GLU:HB2	9	1.19
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB3	9	1.19
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD23	1	1.19
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD22	3	1.19
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD23	1	1.19
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD22	3	1.19
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	15	1.19
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	15	1.19
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	6	1.19
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	6	1.19
(1,2578)	1:43:B:LEU:HD23	1:40:B:LEU:HA	10	1.19
(1,2577)	1:43:A:LEU:HD23	1:40:A:LEU:HA	10	1.19
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	9	1.19
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	14	1.19
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	9	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	3	1.19
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	1	1.19
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	5	1.19
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	1	1.19
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	5	1.19
(1,2358)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	8	1.19
(1,2357)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	8	1.19
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	4	1.19
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	4	1.19
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	11	1.19
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	11	1.19
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	2	1.19
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	2	1.19
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	3	1.19
(1,411)	1:35:A:LEU:H	1:21:A:LEU:HD13	10	1.19
(2,4723)	1:52:A:ALA:HB2	1:49:B:GLN:HG3	10	1.18
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	15	1.18
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG22	6	1.18
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG22	6	1.18
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD21	1	1.18
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD22	5	1.18
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD21	1	1.18
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD13	12	1.18
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD13	12	1.18
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	11	1.18
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD23	15	1.18
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD23	15	1.18
(2,3728)	1:22:B:LEU:HD11	1:22:B:LEU:H	4	1.18
(2,3728)	1:22:B:LEU:HD13	1:22:B:LEU:H	14	1.18
(2,3727)	1:22:A:LEU:HD11	1:22:A:LEU:H	4	1.18
(2,3727)	1:22:A:LEU:HD13	1:22:A:LEU:H	14	1.18
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	9	1.18
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	9	1.18
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD11	13	1.18
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	13	1.18
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	2	1.18
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD22	1	1.18
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	3	1.18
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD22	1	1.18
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	3	1.18
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD22	11	1.18
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD21	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	2	1.18
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	2	1.18
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	2	1.18
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	9	1.18
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	14	1.18
(1,2988)	1:26:B:TYR:HD1	1:43:B:LEU:HB2	6	1.18
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	5	1.18
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	10	1.18
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	5	1.18
(1,2827)	1:12:A:ILE:HD13	1:56:B:THR:HB	15	1.18
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	6	1.18
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	2	1.18
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	6	1.18
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB1	8	1.18
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB1	8	1.18
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	1	1.18
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD12	4	1.18
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD12	4	1.18
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	14	1.18
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	11	1.18
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	11	1.18
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	1	1.18
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	12	1.18
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	12	1.18
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	6	1.18
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	15	1.18
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	6	1.18
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	15	1.18
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	2	1.18
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	15	1.18
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	15	1.18
(1,411)	1:35:A:LEU:H	1:21:A:LEU:HD12	15	1.18
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	10	1.17
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	10	1.17
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	4	1.17
(2,4668)	1:6:B:HIS:HE1	1:22:B:LEU:HD21	12	1.17
(2,4667)	1:6:A:HIS:HE1	1:22:A:LEU:HD21	12	1.17
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	11	1.17
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	11	1.17
(2,3848)	1:24:B:ASN:HD22	1:43:B:LEU:HD21	11	1.17
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD22	5	1.17
(2,3847)	1:24:A:ASN:HD22	1:43:A:LEU:HD21	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	11	1.17
(2,3728)	1:22:B:LEU:HD13	1:22:B:LEU:H	15	1.17
(2,3727)	1:22:A:LEU:HD13	1:22:A:LEU:H	15	1.17
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD11	13	1.17
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	13	1.17
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD12	2	1.17
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD12	7	1.17
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD12	2	1.17
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD12	7	1.17
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	10	1.17
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD12	13	1.17
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	2	1.17
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	10	1.17
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	4	1.17
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	4	1.17
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	11	1.17
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	11	1.17
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	15	1.17
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	15	1.17
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	11	1.17
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	11	1.17
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD22	6	1.17
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	11	1.17
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD22	6	1.17
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	11	1.17
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	2	1.17
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	5	1.17
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	14	1.17
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	14	1.17
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	15	1.17
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	15	1.17
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	6	1.17
(1,3155)	1:55:A:LEU:HD13	1:53:B:LYS:HD2	11	1.17
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	8	1.17
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	8	1.17
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	9	1.17
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	10	1.17
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	10	1.17
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB2	4	1.17
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB2	4	1.17
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	2	1.17
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	12	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	1	1.17
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG21	11	1.17
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD12	10	1.17
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD12	10	1.17
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD12	6	1.17
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD12	6	1.17
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	1	1.17
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	4	1.17
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	2	1.17
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	2	1.17
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	11	1.17
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	2	1.17
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	2	1.17
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	2	1.17
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	2	1.17
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	2	1.17
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD21	8	1.17
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	11	1.17
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	11	1.17
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	6	1.17
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	6	1.17
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	3	1.17
(1,412)	1:35:B:LEU:H	1:21:B:LEU:HD12	15	1.17
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	3	1.16
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG23	5	1.16
(2,4597)	1:54:A:LEU:HD23	1:17:A:HIS:HD2	11	1.16
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	13	1.16
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	10	1.16
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	13	1.16
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	12	1.16
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	12	1.16
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	13	1.16
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD22	5	1.16
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD23	11	1.16
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD22	5	1.16
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD23	11	1.16
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	14	1.16
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	14	1.16
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	12	1.16
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD11	15	1.16
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD11	15	1.16
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD21	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD21	15	1.16
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	10	1.16
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	10	1.16
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	3	1.16
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	3	1.16
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD12	13	1.16
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD21	10	1.16
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	3	1.16
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	5	1.16
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	6	1.16
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	9	1.16
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD12	8	1.16
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	12	1.16
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD11	14	1.16
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD11	14	1.16
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	12	1.16
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG21	5	1.16
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG21	5	1.16
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG21	11	1.16
(1,2578)	1:43:B:LEU:HD21	1:20:B:THR:HA	3	1.16
(1,2577)	1:43:A:LEU:HD21	1:20:A:THR:HA	3	1.16
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD23	1	1.16
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD23	1	1.16
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	4	1.16
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD21	5	1.16
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD21	5	1.16
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	14	1.16
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	14	1.16
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	7	1.16
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	15	1.16
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	7	1.16
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	15	1.16
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	1	1.16
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	7	1.16
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	3	1.16
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	3	1.16
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	4	1.16
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	4	1.16
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD22	8	1.16
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD23	14	1.16
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD22	8	1.16
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD23	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD11	3	1.16
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD11	3	1.16
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	7	1.16
(1,1312)	1:65:B:ASP:HA	1:67:B:GLY:HA3	14	1.16
(1,1311)	1:65:A:ASP:HA	1:67:A:GLY:HA3	14	1.16
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	3	1.16
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	4	1.16
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	4	1.16
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	4	1.16
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD23	8	1.16
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	9	1.16
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	9	1.16
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	3	1.16
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	3	1.16
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	3	1.16
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	14	1.16
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG23	2	1.15
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	4	1.15
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	14	1.15
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	14	1.15
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG23	5	1.15
(2,4598)	1:54:B:LEU:HD23	1:17:B:HIS:HD2	11	1.15
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	3	1.15
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	10	1.15
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	3	1.15
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	13	1.15
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	9	1.15
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	7	1.15
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	7	1.15
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	14	1.15
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	12	1.15
(2,3601)	1:43:A:LEU:HD12	1:40:A:LEU:HG	11	1.15
(2,3487)	1:61:A:LEU:HD11	1:32:A:PHE:HZ	6	1.15
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD12	8	1.15
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD12	8	1.15
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD21	10	1.15
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD21	5	1.15
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD21	5	1.15
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	14	1.15
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	3	1.15
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	8	1.15
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD12	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	2	1.15
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	2	1.15
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	12	1.15
(1,2827)	1:12:A:ILE:HD13	1:56:B:THR:HB	8	1.15
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB2	11	1.15
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB2	11	1.15
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	3	1.15
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	13	1.15
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	13	1.15
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD13	4	1.15
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD13	10	1.15
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD13	10	1.15
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	5	1.15
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	5	1.15
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	3	1.15
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	3	1.15
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	9	1.15
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	9	1.15
(1,2070)	1:33:B:LYS:HD2	1:62:B:LEU:HA	8	1.15
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	1	1.15
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	7	1.15
(1,2069)	1:33:A:LYS:HD2	1:62:A:LEU:HA	8	1.15
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD12	13	1.15
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD12	13	1.15
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	7	1.15
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	5	1.15
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	4	1.15
(1,986)	1:19:B:SER:HB3	1:22:B:LEU:HB3	5	1.15
(1,985)	1:19:A:SER:HB3	1:22:A:LEU:HB3	5	1.15
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD23	8	1.15
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	12	1.15
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	12	1.15
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	3	1.15
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	14	1.15
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG23	2	1.14
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	5	1.14
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	3	1.14
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	5	1.14
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	5	1.14
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	1	1.14
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD22	4	1.14
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	1	1.14
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD22	4	1.14
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	11	1.14
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD22	3	1.14
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	4	1.14
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD22	3	1.14
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	9	1.14
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	14	1.14
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	14	1.14
(2,3602)	1:43:B:LEU:HD12	1:40:B:LEU:HG	11	1.14
(2,3488)	1:61:B:LEU:HD11	1:32:B:PHE:HZ	6	1.14
(2,2686)	1:7:B:GLU:HG2	1:6:B:HIS:HB2	1	1.14
(2,2685)	1:7:A:GLU:HG2	1:6:A:HIS:HB2	1	1.14
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	14	1.14
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	10	1.14
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	13	1.14
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	10	1.14
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	13	1.14
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD21	2	1.14
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD21	2	1.14
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	4	1.14
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	4	1.14
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD12	4	1.14
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	6	1.14
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	11	1.14
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	11	1.14
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	12	1.14
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	12	1.14
(1,2828)	1:12:B:ILE:HD13	1:56:A:THR:HB	8	1.14
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB2	15	1.14
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB2	15	1.14
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD21	6	1.14
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD21	6	1.14
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	12	1.14
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD13	4	1.14
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	12	1.14
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	14	1.14
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	14	1.14
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	12	1.14
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	12	1.14
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	6	1.14
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	6	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:8:B:LEU:HD23	1:32:B:PHE:HE1	15	1.14
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	13	1.14
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	13	1.14
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	12	1.14
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	12	1.14
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	14	1.14
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	14	1.14
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD22	13	1.14
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD22	13	1.14
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	4	1.14
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	4	1.14
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	3	1.14
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	11	1.14
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD21	8	1.14
(1,986)	1:19:B:SER:HB3	1:22:B:LEU:HB3	7	1.14
(1,985)	1:19:A:SER:HB3	1:22:A:LEU:HB3	7	1.14
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	15	1.14
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	6	1.13
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	11	1.13
(2,4831)	1:62:A:LEU:HD23	1:11:B:ARG:HA	6	1.13
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	9	1.13
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	12	1.13
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	9	1.13
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	3	1.13
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	11	1.13
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	4	1.13
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	4	1.13
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	15	1.13
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	15	1.13
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	5	1.13
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	6	1.13
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	5	1.13
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	6	1.13
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	5	1.13
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	5	1.13
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	4	1.13
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	14	1.13
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD13	15	1.13
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD13	15	1.13
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	10	1.13
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	14	1.13
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD13	15	1.13
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD21	15	1.13
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	4	1.13
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD22	8	1.13
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	15	1.13
(1,3156)	1:55:B:LEU:HD13	1:53:A:LYS:HD2	11	1.13
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD12	8	1.13
(1,2921)	1:59:A:GLU:HB3	1:12:B:ILE:HD13	13	1.13
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	3	1.13
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	7	1.13
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	7	1.13
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	5	1.13
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	5	1.13
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	8	1.13
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	8	1.13
(1,2481)	1:8:A:LEU:HD23	1:32:A:PHE:HE1	15	1.13
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	13	1.13
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	13	1.13
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	2	1.13
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	2	1.13
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	12	1.13
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	12	1.13
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	14	1.13
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	6	1.13
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	2	1.13
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	2	1.13
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	15	1.13
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	7	1.13
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	7	1.13
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	6	1.13
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	6	1.13
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	3	1.13
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	10	1.13
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	3	1.13
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	3	1.13
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	13	1.13
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	13	1.13
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	10	1.13
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	10	1.13
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	15	1.13
(2,4848)	1:52:B:ALA:HB2	1:49:A:GLN:H	13	1.12
(2,4847)	1:52:A:ALA:HB2	1:49:B:GLN:H	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	2	1.12
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	2	1.12
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	3	1.12
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	11	1.12
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	4	1.12
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	11	1.12
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	1	1.12
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	14	1.12
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	14	1.12
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	10	1.12
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD13	15	1.12
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD21	15	1.12
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	14	1.12
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	14	1.12
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	2	1.12
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	4	1.12
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	11	1.12
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	11	1.12
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	3	1.12
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	11	1.12
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	15	1.12
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	10	1.12
(1,2828)	1:12:B:ILE:HD12	1:56:A:THR:HB	1	1.12
(1,2827)	1:12:A:ILE:HD12	1:56:B:THR:HB	1	1.12
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB1	5	1.12
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB1	5	1.12
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	5	1.12
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	5	1.12
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD12	7	1.12
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD12	7	1.12
(1,2578)	1:43:B:LEU:HD22	1:40:B:LEU:HA	2	1.12
(1,2577)	1:43:A:LEU:HD22	1:40:A:LEU:HA	2	1.12
(1,2538)	1:54:B:LEU:HD21	1:18:B:THR:HA	10	1.12
(1,2537)	1:54:A:LEU:HD21	1:18:A:THR:HA	10	1.12
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	9	1.12
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	4	1.12
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	13	1.12
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	13	1.12
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	5	1.12
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	5	1.12
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	5	1.12
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	6	1.12
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	6	1.12
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	14	1.12
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	11	1.12
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	1	1.12
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	12	1.12
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	15	1.12
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	13	1.12
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD13	2	1.12
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	1	1.12
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	1	1.12
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	11	1.12
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	11	1.12
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	1	1.12
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD22	4	1.12
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	1	1.12
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD22	4	1.12
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	2	1.12
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	3	1.12
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	5	1.12
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	6	1.12
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	9	1.12
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	9	1.12
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	10	1.12
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	2	1.11
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	12	1.11
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	2	1.11
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	12	1.11
(2,4880)	1:11:B:ARG:HD2	1:60:A:LEU:HD11	13	1.11
(2,4832)	1:62:B:LEU:HD21	1:11:A:ARG:HA	3	1.11
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	5	1.11
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	12	1.11
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	11	1.11
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	5	1.11
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	4	1.11
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	1	1.11
(2,4598)	1:54:B:LEU:HD23	1:17:B:HIS:HD2	3	1.11
(2,4471)	1:35:A:LEU:HD11	1:32:A:PHE:HE1	11	1.11
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	1	1.11
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	1	1.11
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG23	11	1.11
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD11	11	1.11
(2,3728)	1:22:B:LEU:HD12	1:22:B:LEU:H	1	1.11
(2,3727)	1:22:A:LEU:HD12	1:22:A:LEU:H	1	1.11
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	7	1.11
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	8	1.11
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	7	1.11
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	8	1.11
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	2	1.11
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD22	8	1.11
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	14	1.11
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	14	1.11
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	8	1.11
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD23	2	1.11
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD23	2	1.11
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	3	1.11
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	8	1.11
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	9	1.11
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	10	1.11
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	8	1.11
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	9	1.11
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	11	1.11
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	14	1.11
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD1	10	1.11
(1,2922)	1:59:B:GLU:HB3	1:12:A:ILE:HD13	13	1.11
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE1	3	1.11
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE1	3	1.11
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB1	9	1.11
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	10	1.11
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB1	9	1.11
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	10	1.11
(1,2742)	1:58:B:ALA:HB2	1:62:B:LEU:HB2	14	1.11
(1,2741)	1:58:A:ALA:HB2	1:62:A:LEU:HB2	14	1.11
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	15	1.11
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	15	1.11
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD21	6	1.11
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD21	6	1.11
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	9	1.11
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	4	1.11
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	2	1.11
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	14	1.11
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	14	1.11
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	5	1.11
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	11	1.11
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	1	1.11
(1,2069)	1:33:A:LYS:HD2	1:62:A:LEU:HA	9	1.11
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	4	1.11
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	13	1.11
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD13	2	1.11
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	1	1.11
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	1	1.11
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	5	1.11
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	6	1.11
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	11	1.11
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	5	1.11
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	6	1.11
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	11	1.11
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	2	1.11
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	8	1.11
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	14	1.11
(1,1136)	1:64:B:TYR:HA	1:61:B:LEU:HD22	15	1.11
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	14	1.11
(1,1135)	1:64:A:TYR:HA	1:61:A:LEU:HD22	15	1.11
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD22	1	1.11
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD22	1	1.11
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	2	1.11
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	2	1.11
(2,4924)	1:60:B:LEU:HD12	1:2:A:PRO:HG2	6	1.1
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE2	13	1.1
(2,4879)	1:11:A:ARG:HD2	1:60:B:LEU:HD11	13	1.1
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	5	1.1
(2,4597)	1:54:A:LEU:HD23	1:17:A:HIS:HD2	3	1.1
(2,4472)	1:35:B:LEU:HD11	1:32:B:PHE:HE1	11	1.1
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	9	1.1
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	9	1.1
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	1	1.1
(2,4206)	1:51:B:ARG:HD3	1:46:B:MET:HG3	8	1.1
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	1	1.1
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG23	11	1.1
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD13	10	1.1
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD13	10	1.1
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD11	11	1.1
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD12	6	1.1
(2,3802)	1:21:B:LEU:HD11	1:17:B:HIS:HB3	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3801)	1:21:A:LEU:HD11	1:17:A:HIS:HB3	9	1.1
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	2	1.1
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	2	1.1
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	8	1.1
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD22	9	1.1
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD22	9	1.1
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	8	1.1
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	14	1.1
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD1	10	1.1
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB1	11	1.1
(1,2828)	1:12:B:ILE:HD12	1:56:B:THR:HB	2	1.1
(1,2827)	1:12:A:ILE:HD12	1:56:A:THR:HB	2	1.1
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	4	1.1
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG22	6	1.1
(1,2614)	1:20:B:THR:HG21	1:39:B:HIS:HB3	11	1.1
(1,2613)	1:20:A:THR:HG21	1:39:A:HIS:HB3	11	1.1
(1,2578)	1:43:B:LEU:HD22	1:20:B:THR:HA	13	1.1
(1,2577)	1:43:A:LEU:HD22	1:20:A:THR:HA	13	1.1
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD21	1	1.1
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD21	1	1.1
(1,2502)	1:61:B:LEU:HD23	1:64:A:TYR:HB2	13	1.1
(1,2501)	1:61:A:LEU:HD23	1:64:B:TYR:HB2	13	1.1
(1,2392)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	3	1.1
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	2	1.1
(1,2391)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	3	1.1
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	1	1.1
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	1	1.1
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	3	1.1
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	3	1.1
(1,2070)	1:33:B:LYS:HD2	1:62:B:LEU:HA	9	1.1
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	4	1.1
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	6	1.1
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	12	1.1
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	14	1.1
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	14	1.1
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	11	1.1
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD21	3	1.1
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD21	7	1.1
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD21	7	1.1
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD22	8	1.1
(1,986)	1:19:B:SER:HB3	1:22:B:LEU:HB3	8	1.1
(1,985)	1:19:A:SER:HB3	1:22:A:LEU:HB3	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:44:B:ASN:H	1:45:B:ILE:HG12	8	1.1
(1,497)	1:44:A:ASN:H	1:45:A:ILE:HG12	8	1.1
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG22	10	1.1
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG22	10	1.1
(2,4923)	1:60:A:LEU:HD12	1:2:B:PRO:HG2	6	1.09
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE2	6	1.09
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	3	1.09
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	11	1.09
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	1	1.09
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD12	4	1.09
(2,4642)	1:38:B:THR:HG23	1:39:B:HIS:HE1	12	1.09
(2,4641)	1:38:A:THR:HG23	1:39:A:HIS:HE1	12	1.09
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	12	1.09
(2,4205)	1:51:A:ARG:HD3	1:46:A:MET:HG3	8	1.09
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	14	1.09
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD12	6	1.09
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	5	1.09
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	10	1.09
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	10	1.09
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD21	10	1.09
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	14	1.09
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	14	1.09
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	13	1.09
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	13	1.09
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	2	1.09
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	12	1.09
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	4	1.09
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	3	1.09
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	2	1.09
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	2	1.09
(1,3136)	1:55:B:LEU:HD22	1:49:A:GLN:HG2	9	1.09
(1,3135)	1:55:A:LEU:HD22	1:49:B:GLN:HG2	9	1.09
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	6	1.09
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	6	1.09
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD2	6	1.09
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD2	6	1.09
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB3	6	1.09
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	15	1.09
(1,2828)	1:12:B:ILE:HD12	1:56:A:THR:HB	11	1.09
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	13	1.09
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	4	1.09
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG22	6	1.09
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	2	1.09
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	2	1.09
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	10	1.09
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	10	1.09
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	7	1.09
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	8	1.09
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	7	1.09
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	8	1.09
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	4	1.09
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	14	1.09
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	13	1.09
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD12	14	1.09
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	15	1.09
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	15	1.09
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	9	1.09
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	9	1.09
(1,2392)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	1	1.09
(1,2391)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	1	1.09
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	9	1.09
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	9	1.09
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	3	1.09
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	3	1.09
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	7	1.09
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	9	1.09
(1,1648)	1:63:B:ASP:HB3	1:62:B:LEU:HD23	14	1.09
(1,1647)	1:63:A:ASP:HB3	1:62:A:LEU:HD23	14	1.09
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	12	1.09
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	6	1.09
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD22	8	1.09
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD21	3	1.09
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD13	1	1.09
(1,344)	1:29:B:LEU:H	1:26:B:TYR:HA	11	1.09
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE2	13	1.08
(2,4848)	1:52:B:ALA:HB2	1:49:A:GLN:H	10	1.08
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	14	1.08
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	1	1.08
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	2	1.08
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	3	1.08
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	14	1.08
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	1	1.08
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD12	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	12	1.08
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	8	1.08
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	12	1.08
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	6	1.08
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	12	1.08
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	7	1.08
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	7	1.08
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	14	1.08
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	8	1.08
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	8	1.08
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	1	1.08
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	1	1.08
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	2	1.08
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	2	1.08
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	5	1.08
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD22	1	1.08
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD21	10	1.08
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	8	1.08
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	8	1.08
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	3	1.08
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	3	1.08
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	1	1.08
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	4	1.08
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	13	1.08
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	1	1.08
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	2	1.08
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	12	1.08
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	13	1.08
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	3	1.08
(1,3155)	1:55:A:LEU:HD12	1:53:B:LYS:HD2	9	1.08
(1,2828)	1:12:B:ILE:HD12	1:56:A:THR:HB	10	1.08
(1,2827)	1:12:A:ILE:HD12	1:56:A:THR:HB	10	1.08
(1,2827)	1:12:A:ILE:HD12	1:56:B:THR:HB	11	1.08
(1,2780)	1:12:B:ILE:HG22	1:11:B:ARG:HA	13	1.08
(1,2779)	1:12:A:ILE:HG22	1:11:A:ARG:HA	13	1.08
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	15	1.08
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	15	1.08
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	13	1.08
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	4	1.08
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD13	11	1.08
(1,2730)	1:52:B:ALA:HB1	1:51:B:ARG:H	12	1.08
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:52:A:ALA:HB1	1:51:A:ARG:H	12	1.08
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	1	1.08
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	1	1.08
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	4	1.08
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD13	15	1.08
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD13	15	1.08
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD21	7	1.08
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD21	7	1.08
(1,2578)	1:43:B:LEU:HD22	1:20:B:THR:HA	14	1.08
(1,2577)	1:43:A:LEU:HD22	1:20:A:THR:HA	14	1.08
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	5	1.08
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	5	1.08
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	11	1.08
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	11	1.08
(1,2512)	1:61:B:LEU:HD21	1:32:B:PHE:HD2	4	1.08
(1,2511)	1:61:A:LEU:HD21	1:32:A:PHE:HD2	4	1.08
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	8	1.08
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	8	1.08
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	7	1.08
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD12	13	1.08
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	7	1.08
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD23	11	1.08
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD23	11	1.08
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	13	1.08
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	11	1.08
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	11	1.08
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	10	1.08
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	5	1.08
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	5	1.08
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	15	1.08
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	7	1.08
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	9	1.08
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	9	1.08
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	8	1.08
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	8	1.08
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	9	1.08
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	9	1.08
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	8	1.08
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	8	1.08
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD13	1	1.08
(1,343)	1:29:A:LEU:H	1:26:A:TYR:HA	11	1.08
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	5	1.08
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	6	1.07
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	1	1.07
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	2	1.07
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	12	1.07
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	4	1.07
(2,4847)	1:52:A:ALA:HB2	1:49:B:GLN:H	10	1.07
(2,4831)	1:62:A:LEU:HD21	1:11:B:ARG:HA	3	1.07
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	8	1.07
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	8	1.07
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	15	1.07
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	6	1.07
(2,4597)	1:54:A:LEU:HD23	1:17:A:HIS:HD2	14	1.07
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	5	1.07
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	14	1.07
(2,3802)	1:21:B:LEU:HD13	1:17:B:HIS:HB3	8	1.07
(2,3801)	1:21:A:LEU:HD13	1:17:A:HIS:HB3	8	1.07
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	4	1.07
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	4	1.07
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD22	1	1.07
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	7	1.07
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	7	1.07
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	1	1.07
(1,3156)	1:55:B:LEU:HD12	1:53:A:LYS:HD2	9	1.07
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB1	11	1.07
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	15	1.07
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	9	1.07
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	9	1.07
(1,2828)	1:12:B:ILE:HD11	1:56:A:THR:HB	12	1.07
(1,2827)	1:12:A:ILE:HD11	1:56:B:THR:HB	12	1.07
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	10	1.07
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	10	1.07
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	3	1.07
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	3	1.07
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	14	1.07
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	14	1.07
(1,2742)	1:58:B:ALA:HB1	1:62:B:LEU:HB2	13	1.07
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD13	11	1.07
(1,2730)	1:52:B:ALA:HB1	1:51:B:ARG:H	13	1.07
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	10	1.07
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	1	1.07
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	3	1.07
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	3	1.07
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	4	1.07
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	13	1.07
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	12	1.07
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	12	1.07
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD22	5	1.07
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD22	5	1.07
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	2	1.07
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	2	1.07
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	14	1.07
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	14	1.07
(1,2318)	1:9:B:LEU:HD21	1:20:B:THR:HB	13	1.07
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	13	1.07
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	10	1.07
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	15	1.07
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	8	1.07
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	12	1.07
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	12	1.07
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	9	1.07
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	13	1.07
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	8	1.07
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	12	1.07
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	13	1.07
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	2	1.07
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	4	1.07
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	6	1.07
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	2	1.07
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	4	1.07
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	15	1.07
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	15	1.07
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	14	1.07
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	14	1.07
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	4	1.06
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	12	1.06
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	15	1.06
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	2	1.06
(2,4598)	1:54:B:LEU:HD23	1:17:B:HIS:HD2	14	1.06
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	5	1.06
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG23	15	1.06
(2,3727)	1:22:A:LEU:HD11	1:22:A:LEU:H	2	1.06
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	8	1.06
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD12	8	1.06
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD12	8	1.06
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	3	1.06
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	3	1.06
(2,3496)	1:5:B:LEU:HD12	1:18:B:THR:HB	3	1.06
(2,3495)	1:5:A:LEU:HD12	1:18:A:THR:HB	3	1.06
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	14	1.06
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	3	1.06
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	3	1.06
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	8	1.06
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	8	1.06
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	13	1.06
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	13	1.06
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	13	1.06
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	3	1.06
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	3	1.06
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	1	1.06
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD11	5	1.06
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	9	1.06
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	9	1.06
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	5	1.06
(1,2832)	1:12:B:ILE:HD12	1:8:B:LEU:H	8	1.06
(1,2831)	1:12:A:ILE:HD12	1:8:A:LEU:H	8	1.06
(1,2828)	1:12:B:ILE:HD11	1:56:B:THR:HB	4	1.06
(1,2827)	1:12:A:ILE:HD11	1:56:A:THR:HB	4	1.06
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	3	1.06
(1,2741)	1:58:A:ALA:HB1	1:62:A:LEU:HB2	13	1.06
(1,2729)	1:52:A:ALA:HB1	1:51:A:ARG:H	13	1.06
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	4	1.06
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	13	1.06
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB1	1	1.06
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB1	1	1.06
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB1	15	1.06
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD11	11	1.06
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD11	11	1.06
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	9	1.06
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	9	1.06
(1,2317)	1:9:A:LEU:HD21	1:20:A:THR:HB	13	1.06
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	4	1.06
(1,2224)	1:22:B:LEU:HG	1:25:B:GLY:HA3	13	1.06
(1,2223)	1:22:A:LEU:HG	1:25:A:GLY:HA3	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	8	1.06
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	5	1.06
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	5	1.06
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	8	1.06
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	15	1.06
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	10	1.06
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	6	1.06
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD11	14	1.06
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD11	14	1.06
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	11	1.06
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG21	15	1.06
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	7	1.05
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	8	1.05
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	1	1.05
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	2	1.05
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	5	1.05
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	10	1.05
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	10	1.05
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	15	1.05
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	15	1.05
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	12	1.05
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG23	15	1.05
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	12	1.05
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	7	1.05
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	7	1.05
(2,3728)	1:22:B:LEU:HD11	1:22:B:LEU:H	2	1.05
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD23	2	1.05
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD12	12	1.05
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD12	12	1.05
(2,3108)	1:51:B:ARG:HG3	1:55:B:LEU:HD23	8	1.05
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	9	1.05
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	9	1.05
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	14	1.05
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	11	1.05
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	11	1.05
(2,2692)	1:7:B:GLU:HG2	1:5:B:LEU:H	1	1.05
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD23	5	1.05
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD23	5	1.05
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	9	1.05
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	9	1.05
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	6	1.05
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	4	1.05
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	13	1.05
(1,3052)	1:6:B:HIS:HD2	1:15:B:GLU:HB2	5	1.05
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	4	1.05
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	4	1.05
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	5	1.05
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB3	2	1.05
(1,2827)	1:12:A:ILE:HD11	1:56:B:THR:HB	5	1.05
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	3	1.05
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB3	4	1.05
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB2	6	1.05
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB3	4	1.05
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB2	6	1.05
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	3	1.05
(1,2730)	1:52:B:ALA:HB1	1:51:B:ARG:H	6	1.05
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	3	1.05
(1,2729)	1:52:A:ALA:HB1	1:51:A:ARG:H	6	1.05
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	3	1.05
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	3	1.05
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	9	1.05
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	9	1.05
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG21	15	1.05
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG21	15	1.05
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	15	1.05
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	15	1.05
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB1	3	1.05
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB1	7	1.05
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB1	15	1.05
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB1	3	1.05
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	4	1.05
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	4	1.05
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD22	1	1.05
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	2	1.05
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	2	1.05
(1,2273)	1:54:A:LEU:HD13	1:46:A:MET:HA	3	1.05
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	4	1.05
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	8	1.05
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	8	1.05
(1,2070)	1:30:B:GLU:HA	1:33:B:LYS:HD3	3	1.05
(1,2069)	1:30:A:GLU:HA	1:33:A:LYS:HD3	3	1.05
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	6	1.05
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	8	1.05
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	15	1.05
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	10	1.05
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	12	1.05
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	12	1.05
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	4	1.05
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	10	1.05
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	10	1.05
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	11	1.05
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG21	15	1.05
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	2	1.05
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	13	1.05
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	13	1.05
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	7	1.04
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	1	1.04
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	5	1.04
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	11	1.04
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	15	1.04
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	4	1.04
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	4	1.04
(2,3702)	1:61:B:LEU:HD22	1:60:A:LEU:HG	13	1.04
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD23	2	1.04
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	9	1.04
(2,3107)	1:51:A:ARG:HG3	1:55:A:LEU:HD23	8	1.04
(2,2691)	1:7:A:GLU:HG2	1:5:A:LEU:H	1	1.04
(2,2685)	1:7:A:GLU:HG2	1:6:A:HIS:HB2	15	1.04
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD13	15	1.04
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD13	15	1.04
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	2	1.04
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	1	1.04
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	1	1.04
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD22	11	1.04
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	9	1.04
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	9	1.04
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD21	10	1.04
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD21	10	1.04
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	6	1.04
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	1	1.04
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	1	1.04
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	6	1.04
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	2	1.04
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	4	1.04
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD11	5	1.04
(1,3051)	1:6:A:HIS:HD2	1:15:A:GLU:HB2	5	1.04
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD1	12	1.04
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD1	12	1.04
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB3	2	1.04
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	3	1.04
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	4	1.04
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	4	1.04
(1,2828)	1:12:B:ILE:HD11	1:56:A:THR:HB	5	1.04
(1,2828)	1:12:B:ILE:HD11	1:56:A:THR:HB	7	1.04
(1,2827)	1:12:A:ILE:HD13	1:56:B:THR:HB	3	1.04
(1,2827)	1:12:A:ILE:HD11	1:56:B:THR:HB	7	1.04
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB3	11	1.04
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	12	1.04
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB3	13	1.04
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	12	1.04
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB3	13	1.04
(1,2758)	1:57:B:ALA:HB1	1:59:A:GLU:HB2	11	1.04
(1,2757)	1:57:A:ALA:HB1	1:59:B:GLU:HB2	8	1.04
(1,2742)	1:58:B:ALA:HB2	1:62:B:LEU:HB2	2	1.04
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD12	12	1.04
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD12	12	1.04
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	7	1.04
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD13	8	1.04
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD13	8	1.04
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB1	10	1.04
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB1	7	1.04
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB1	10	1.04
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	8	1.04
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD11	10	1.04
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	8	1.04
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD11	10	1.04
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD22	1	1.04
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	7	1.04
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	7	1.04
(1,2274)	1:54:B:LEU:HD13	1:46:B:MET:HA	3	1.04
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	3	1.04
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	4	1.04
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	9	1.04
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	3	1.04
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	9	1.04
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	2	1.04
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	2	1.04
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	10	1.04
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	11	1.04
(1,1312)	1:65:B:ASP:HA	1:67:B:GLY:HA3	8	1.04
(1,1311)	1:65:A:ASP:HA	1:67:A:GLY:HA3	8	1.04
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	4	1.04
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	1	1.04
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	4	1.04
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HG3	7	1.04
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD23	12	1.04
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD23	12	1.04
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	4	1.04
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	3	1.04
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	3	1.04
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	1	1.04
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG21	7	1.04
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	2	1.04
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE1	7	1.03
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE1	7	1.03
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	13	1.03
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	11	1.03
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	15	1.03
(2,3701)	1:61:A:LEU:HD22	1:60:B:LEU:HG	13	1.03
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	10	1.03
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	9	1.03
(2,2686)	1:7:B:GLU:HG2	1:6:B:HIS:HB2	15	1.03
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	2	1.03
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	2	1.03
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	2	1.03
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	7	1.03
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	7	1.03
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	15	1.03
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	5	1.03
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	5	1.03
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	14	1.03
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	5	1.03
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	14	1.03
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	13	1.03
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB3	6	1.03
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB1	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	7	1.03
(1,2828)	1:12:B:ILE:HD13	1:56:A:THR:HB	3	1.03
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB3	11	1.03
(1,2741)	1:58:A:ALA:HB2	1:62:A:LEU:HB2	2	1.03
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	1	1.03
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	9	1.03
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	14	1.03
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	1	1.03
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	9	1.03
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	14	1.03
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	6	1.03
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	7	1.03
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	3	1.03
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	15	1.03
(1,2644)	1:51:B:ARG:HG3	1:55:B:LEU:HD13	11	1.03
(1,2643)	1:51:A:ARG:HG3	1:55:A:LEU:HD13	11	1.03
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	11	1.03
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	11	1.03
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	14	1.03
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	14	1.03
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD21	1	1.03
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD23	13	1.03
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	7	1.03
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	7	1.03
(1,2517)	1:22:A:LEU:HD11	1:22:A:LEU:HB3	6	1.03
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	1	1.03
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	1	1.03
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD22	8	1.03
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD22	8	1.03
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	1	1.03
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	1	1.03
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	8	1.03
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	7	1.03
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD21	7	1.03
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	10	1.03
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	11	1.03
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	1	1.03
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	9	1.03
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	9	1.03
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD22	11	1.03
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD22	11	1.03
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	1	1.03
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG21	7	1.03
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	6	1.03
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	10	1.03
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	10	1.03
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	6	1.03
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	1	1.02
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	1	1.02
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE2	6	1.02
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	5	1.02
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	13	1.02
(2,4598)	1:54:B:LEU:HD23	1:17:B:HIS:HD2	13	1.02
(2,4597)	1:54:A:LEU:HD23	1:17:A:HIS:HD2	13	1.02
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	1	1.02
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	1	1.02
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	12	1.02
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	12	1.02
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	4	1.02
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	12	1.02
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	12	1.02
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD13	10	1.02
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	10	1.02
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	12	1.02
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	12	1.02
(2,2166)	1:51:B:ARG:HD2	1:55:B:LEU:HD22	10	1.02
(2,2165)	1:51:A:ARG:HD2	1:55:A:LEU:HD22	10	1.02
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD22	11	1.02
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	6	1.02
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	6	1.02
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	15	1.02
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	8	1.02
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	5	1.02
(2,955)	1:52:A:ALA:H	1:49:B:GLN:HG3	7	1.02
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	13	1.02
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD12	1	1.02
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD13	6	1.02
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD1	2	1.02
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB1	14	1.02
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	3	1.02
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	7	1.02
(1,2827)	1:12:A:ILE:HD12	1:56:A:THR:HB	14	1.02
(1,2780)	1:12:B:ILE:HG22	1:11:B:ARG:HA	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	5	1.02
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	12	1.02
(1,2779)	1:12:A:ILE:HG22	1:11:A:ARG:HA	4	1.02
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	5	1.02
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	12	1.02
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	7	1.02
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	7	1.02
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG22	11	1.02
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	6	1.02
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	9	1.02
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	9	1.02
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	9	1.02
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	11	1.02
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD11	15	1.02
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	3	1.02
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD11	9	1.02
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD21	1	1.02
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD23	13	1.02
(1,2518)	1:22:B:LEU:HD11	1:22:B:LEU:HB3	6	1.02
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	4	1.02
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	4	1.02
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	2	1.02
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD23	6	1.02
(1,2484)	1:35:B:LEU:HD12	1:54:B:LEU:HD22	11	1.02
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD23	6	1.02
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	8	1.02
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD22	1	1.02
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD22	1	1.02
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	1	1.02
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	9	1.02
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	15	1.02
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	1	1.02
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	9	1.02
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	9	1.02
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	2	1.02
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	9	1.02
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	5	1.02
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	6	1.02
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	7	1.02
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	12	1.02
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	15	1.02
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	6	1.02
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	7	1.02
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	12	1.02
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	15	1.02
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HG3	7	1.02
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	5	1.02
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	15	1.02
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	15	1.02
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	5	1.02
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	6	1.02
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	5	1.02
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	4	1.02
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	4	1.02
(2,4848)	1:52:B:ALA:HB3	1:49:A:GLN:H	9	1.01
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD13	2	1.01
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	4	1.01
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	4	1.01
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	5	1.01
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	5	1.01
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	1	1.01
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	3	1.01
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	13	1.01
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	1	1.01
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	3	1.01
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	13	1.01
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	4	1.01
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	15	1.01
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD13	10	1.01
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD12	13	1.01
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD12	13	1.01
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD11	14	1.01
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD11	14	1.01
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	14	1.01
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	14	1.01
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	13	1.01
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	13	1.01
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	3	1.01
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	3	1.01
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	3	1.01
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	8	1.01
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	14	1.01
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,956)	1:52:B:ALA:H	1:49:A:GLN:HG3	7	1.01
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD12	1	1.01
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	15	1.01
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	6	1.01
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	6	1.01
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD1	2	1.01
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB1	8	1.01
(1,2828)	1:12:B:ILE:HD12	1:56:B:THR:HB	14	1.01
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB3	14	1.01
(1,2758)	1:57:B:ALA:HB1	1:59:A:GLU:HB2	8	1.01
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	15	1.01
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	10	1.01
(1,2737)	1:58:A:ALA:HB1	1:61:A:LEU:HD11	15	1.01
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	2	1.01
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	5	1.01
(1,2730)	1:52:B:ALA:HB2	1:51:B:ARG:H	11	1.01
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	2	1.01
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	5	1.01
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG22	11	1.01
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	8	1.01
(1,2660)	1:26:B:TYR:HB3	1:9:B:LEU:HD12	6	1.01
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	6	1.01
(1,2659)	1:26:A:TYR:HB3	1:9:A:LEU:HD12	11	1.01
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD23	8	1.01
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD23	8	1.01
(1,2570)	1:40:B:LEU:HD11	1:41:B:ASN:H	7	1.01
(1,2569)	1:40:A:LEU:HD11	1:41:A:ASN:H	7	1.01
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB2	6	1.01
(1,2526)	1:23:B:LEU:H	1:22:B:LEU:HD13	11	1.01
(1,2518)	1:22:B:LEU:HD12	1:22:B:LEU:HB3	1	1.01
(1,2518)	1:22:B:LEU:HD11	1:22:B:LEU:HB3	4	1.01
(1,2518)	1:22:B:LEU:HD13	1:22:B:LEU:HB3	15	1.01
(1,2517)	1:22:A:LEU:HD12	1:22:A:LEU:HB3	1	1.01
(1,2517)	1:22:A:LEU:HD11	1:22:A:LEU:HB3	4	1.01
(1,2517)	1:22:A:LEU:HD13	1:22:A:LEU:HB3	15	1.01
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD23	15	1.01
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD23	15	1.01
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	2	1.01
(1,2483)	1:35:A:LEU:HD12	1:54:A:LEU:HD22	11	1.01
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	3	1.01
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	4	1.01
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD21	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	4	1.01
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	15	1.01
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	2	1.01
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	10	1.01
(1,2064)	1:33:B:LYS:HB3	1:33:B:LYS:HD2	11	1.01
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	3	1.01
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	11	1.01
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	14	1.01
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	14	1.01
(1,1412)	1:46:B:MET:H	1:51:B:ARG:HD3	5	1.01
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	15	1.01
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	15	1.01
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD21	10	1.01
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	4	1.01
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD21	10	1.01
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD13	2	1.01
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD13	2	1.01
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	12	1.01
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	12	1.01
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	4	1.01
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG22	14	1.01
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG22	14	1.01
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD13	7	1.01
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD13	8	1.01
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD21	9	1.01
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD13	8	1.01
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD21	9	1.01
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	11	1.01
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	1	1.01
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	13	1.0
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD13	15	1.0
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	8	1.0
(2,4847)	1:52:A:ALA:HB3	1:49:B:GLN:H	9	1.0
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	1	1.0
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD13	2	1.0
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	7	1.0
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	8	1.0
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	15	1.0
(2,3850)	1:43:B:LEU:HD23	1:21:B:LEU:H	2	1.0
(2,3849)	1:43:A:LEU:HD23	1:21:A:LEU:H	2	1.0
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD11	9	1.0
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD11	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	3	1.0
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	7	1.0
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	7	1.0
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	5	1.0
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	5	1.0
(2,464)	1:25:B:GLY:H	1:26:B:TYR:HB3	6	1.0
(2,463)	1:25:A:GLY:H	1:26:A:TYR:HB3	6	1.0
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD11	15	1.0
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	8	1.0
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	8	1.0
(1,2832)	1:12:B:ILE:HD12	1:8:B:LEU:H	3	1.0
(1,2831)	1:12:A:ILE:HD12	1:8:A:LEU:H	3	1.0
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB2	6	1.0
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB3	14	1.0
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB2	6	1.0
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	10	1.0
(1,2757)	1:57:A:ALA:HB1	1:59:B:GLU:HB2	11	1.0
(1,2738)	1:58:B:ALA:HB1	1:61:B:LEU:HD11	15	1.0
(1,2730)	1:52:B:ALA:HB1	1:51:B:ARG:H	10	1.0
(1,2729)	1:52:A:ALA:HB1	1:51:A:ARG:H	10	1.0
(1,2729)	1:52:A:ALA:HB2	1:51:A:ARG:H	11	1.0
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	2	1.0
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	4	1.0
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	4	1.0
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	9	1.0
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	8	1.0
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	9	1.0
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB2	6	1.0
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB3	14	1.0
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB3	14	1.0
(1,2525)	1:23:A:LEU:H	1:22:A:LEU:HD13	11	1.0
(1,2518)	1:22:B:LEU:HD12	1:22:B:LEU:HB3	3	1.0
(1,2517)	1:22:A:LEU:HD12	1:22:A:LEU:HB3	3	1.0
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	2	1.0
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	2	1.0
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	15	1.0
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	15	1.0
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD22	8	1.0
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD22	8	1.0
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	4	1.0
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	4	1.0
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	3	1.0
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	2	1.0
(1,2063)	1:33:A:LYS:HB3	1:33:A:LYS:HD2	10	1.0
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	4	1.0
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	4	1.0
(1,1411)	1:46:A:MET:H	1:51:A:ARG:HD3	5	1.0
(1,1312)	1:65:B:ASP:HA	1:67:B:GLY:HA3	9	1.0
(1,1311)	1:65:A:ASP:HA	1:67:A:GLY:HA3	9	1.0
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	13	1.0
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	4	1.0
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	13	1.0
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD13	7	1.0
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	4	1.0
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG22	4	1.0
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD13	7	1.0
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	1	1.0
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	11	1.0
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	11	0.99
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	13	0.99
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD13	3	0.99
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD13	3	0.99
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD11	11	0.99
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE1	14	0.99
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE1	14	0.99
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	5	0.99
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	9	0.99
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	9	0.99
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	7	0.99
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	4	0.99
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	4	0.99
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	5	0.99
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	5	0.99
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	12	0.99
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	11	0.99
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	8	0.99
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	11	0.99
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	9	0.99
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD23	15	0.99
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	9	0.99
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD23	15	0.99
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD13	10	0.99
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD13	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	7	0.99
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	8	0.99
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	8	0.99
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	11	0.99
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	11	0.99
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	1	0.99
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	1	0.99
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	1	0.99
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	7	0.99
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	1	0.99
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	7	0.99
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB1	8	0.99
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	1	0.99
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	1	0.99
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB2	14	0.99
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	15	0.99
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	15	0.99
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	15	0.99
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	2	0.99
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	5	0.99
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	5	0.99
(1,2670)	1:4:B:THR:HG22	1:5:B:LEU:HA	6	0.99
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	5	0.99
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	7	0.99
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	7	0.99
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	6	0.99
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	6	0.99
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB2	5	0.99
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB1	12	0.99
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB2	5	0.99
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB1	12	0.99
(1,2518)	1:22:B:LEU:HD13	1:5:B:LEU:HB3	14	0.99
(1,2517)	1:22:A:LEU:HD13	1:5:A:LEU:HB3	14	0.99
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	5	0.99
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	5	0.99
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	1	0.99
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	4	0.99
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	1	0.99
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	4	0.99
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	8	0.99
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	8	0.99
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD21	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	2	0.99
(1,1300)	1:52:B:ALA:HA	1:49:A:GLN:HB2	14	0.99
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD12	2	0.99
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD12	2	0.99
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD13	9	0.99
(1,1135)	1:64:A:TYR:HA	1:61:A:LEU:HD21	9	0.99
(1,1135)	1:64:A:TYR:HA	1:61:B:LEU:HD22	11	0.99
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	13	0.99
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD11	7	0.99
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD11	7	0.99
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	13	0.99
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG22	7	0.99
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HB3	13	0.99
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD13	7	0.99
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	11	0.99
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG22	4	0.99
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD12	14	0.99
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD12	14	0.99
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	3	0.99
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD21	4	0.99
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	3	0.99
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD21	4	0.99
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	6	0.99
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD11	11	0.98
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE2	3	0.98
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	8	0.98
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	1	0.98
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	10	0.98
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	9	0.98
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	13	0.98
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	9	0.98
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	10	0.98
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	13	0.98
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	3	0.98
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	12	0.98
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG23	6	0.98
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG23	6	0.98
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	7	0.98
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD23	11	0.98
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD23	11	0.98
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD23	8	0.98
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	11	0.98
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	2	0.98
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	2	0.98
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	10	0.98
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	10	0.98
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD13	7	0.98
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD13	7	0.98
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD11	2	0.98
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD11	2	0.98
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	14	0.98
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	14	0.98
(2,2692)	1:7:B:GLU:HG2	1:5:B:LEU:H	13	0.98
(2,2691)	1:7:A:GLU:HG2	1:5:A:LEU:H	13	0.98
(2,1989)	1:52:A:ALA:HA	1:14:B:LEU:HD23	13	0.98
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	4	0.98
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	4	0.98
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	1	0.98
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	4	0.98
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	4	0.98
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	4	0.98
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	7	0.98
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	7	0.98
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	6	0.98
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	6	0.98
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD11	15	0.98
(1,3081)	1:60:A:LEU:HD11	1:11:B:ARG:HB3	13	0.98
(1,2994)	1:65:B:ASP:H	1:64:B:TYR:HD2	4	0.98
(1,2993)	1:65:A:ASP:H	1:64:A:TYR:HD2	4	0.98
(1,2966)	1:9:B:LEU:HG	1:10:B:GLU:HG2	9	0.98
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB3	5	0.98
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	9	0.98
(1,2779)	1:12:A:ILE:HG21	1:11:A:ARG:HA	8	0.98
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB2	2	0.98
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	7	0.98
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB3	8	0.98
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB2	2	0.98
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	7	0.98
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB3	8	0.98
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB2	14	0.98
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	8	0.98
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	5	0.98
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	12	0.98
(1,2669)	1:4:A:THR:HG22	1:5:A:LEU:HA	6	0.98
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	12	0.98
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD12	6	0.98
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD12	6	0.98
(1,2568)	1:40:B:LEU:HD11	1:21:B:LEU:HA	4	0.98
(1,2567)	1:40:A:LEU:HD11	1:21:A:LEU:HA	4	0.98
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	3	0.98
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	12	0.98
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	3	0.98
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	12	0.98
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	6	0.98
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	14	0.98
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	14	0.98
(1,2066)	1:33:B:LYS:HD2	1:34:B:GLU:HG3	8	0.98
(1,2065)	1:33:A:LYS:HD2	1:34:A:GLU:HG3	8	0.98
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	13	0.98
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	13	0.98
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	11	0.98
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	11	0.98
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD21	13	0.98
(1,1299)	1:52:A:ALA:HA	1:49:B:GLN:HB2	14	0.98
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD13	9	0.98
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	2	0.98
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	2	0.98
(1,1136)	1:64:B:TYR:HA	1:61:B:LEU:HD21	9	0.98
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD12	3	0.98
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	2	0.98
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	2	0.98
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD21	5	0.98
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG22	7	0.98
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	10	0.98
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HB3	13	0.98
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	9	0.98
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	9	0.98
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD21	15	0.98
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	11	0.98
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	1	0.98
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD12	13	0.98
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	1	0.98
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD12	13	0.98
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD23	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	14	0.98
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	2	0.98
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	14	0.98
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	9	0.98
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	9	0.98
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD13	15	0.97
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	9	0.97
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	10	0.97
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	3	0.97
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	6	0.97
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD11	10	0.97
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	6	0.97
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD11	10	0.97
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	6	0.97
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	14	0.97
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	7	0.97
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	14	0.97
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	2	0.97
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	2	0.97
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	11	0.97
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	11	0.97
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	7	0.97
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD23	8	0.97
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	9	0.97
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	9	0.97
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD11	10	0.97
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD11	10	0.97
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	5	0.97
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	1	0.97
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	7	0.97
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD11	10	0.97
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD11	10	0.97
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	5	0.97
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	5	0.97
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	14	0.97
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	14	0.97
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	14	0.97
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	7	0.97
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	6	0.97
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	1	0.97
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	6	0.97
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD23	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD23	15	0.97
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	7	0.97
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	4	0.97
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	2	0.97
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HG2	8	0.97
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	15	0.97
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	13	0.97
(1,2965)	1:9:A:LEU:HG	1:10:A:GLU:HG2	9	0.97
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB3	5	0.97
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	13	0.97
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD11	6	0.97
(1,2780)	1:12:B:ILE:HG21	1:11:B:ARG:HA	8	0.97
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	15	0.97
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	9	0.97
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	3	0.97
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	1	0.97
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	3	0.97
(1,2766)	1:29:B:LEU:HA	1:57:B:ALA:HB2	8	0.97
(1,2765)	1:29:A:LEU:HA	1:57:A:ALA:HB2	8	0.97
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	3	0.97
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	11	0.97
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	8	0.97
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	12	0.97
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	3	0.97
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	13	0.97
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	1	0.97
(1,2669)	1:4:A:THR:HG21	1:5:A:LEU:HA	13	0.97
(1,2614)	1:20:B:THR:HG22	1:39:B:HIS:HB3	12	0.97
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD13	3	0.97
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	13	0.97
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	13	0.97
(1,2570)	1:40:B:LEU:HD13	1:41:B:ASN:H	14	0.97
(1,2569)	1:40:A:LEU:HD13	1:41:A:ASN:H	14	0.97
(1,2568)	1:40:B:LEU:HD13	1:43:B:LEU:HA	1	0.97
(1,2567)	1:40:A:LEU:HD13	1:43:A:LEU:HA	1	0.97
(1,2518)	1:22:B:LEU:HD11	1:22:B:LEU:HB3	13	0.97
(1,2517)	1:22:A:LEU:HD11	1:22:A:LEU:HB3	13	0.97
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	9	0.97
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	9	0.97
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD22	3	0.97
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD22	3	0.97
(1,2396)	1:58:B:ALA:H	1:35:B:LEU:HD21	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:58:A:ALA:H	1:35:A:LEU:HD21	15	0.97
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	14	0.97
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	14	0.97
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	6	0.97
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	13	0.97
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	13	0.97
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	1	0.97
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	4	0.97
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	4	0.97
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD12	8	0.97
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD12	8	0.97
(1,1312)	1:65:B:ASP:HA	1:67:B:GLY:HA3	3	0.97
(1,1311)	1:65:A:ASP:HA	1:67:A:GLY:HA3	3	0.97
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	14	0.97
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	14	0.97
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD11	2	0.97
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD22	9	0.97
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD12	3	0.97
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD22	9	0.97
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD21	5	0.97
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	14	0.97
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	14	0.97
(1,1008)	1:32:B:PHE:HA	1:5:B:LEU:HD13	10	0.97
(1,1007)	1:32:A:PHE:HA	1:5:A:LEU:HD13	10	0.97
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	10	0.97
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HB3	2	0.97
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HB3	2	0.97
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	8	0.97
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	15	0.97
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	8	0.97
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	15	0.97
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD21	15	0.97
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	15	0.97
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD23	9	0.97
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	2	0.97
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	1	0.97
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	13	0.97
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	2	0.97
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	11	0.96
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	9	0.96
(2,4724)	1:52:B:ALA:HB1	1:49:A:GLN:HG3	15	0.96
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	3	0.96
(2,4598)	1:54:B:LEU:HD21	1:17:B:HIS:HD2	8	0.96
(2,4597)	1:54:A:LEU:HD21	1:17:A:HIS:HD2	8	0.96
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	6	0.96
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	6	0.96
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	3	0.96
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	7	0.96
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	12	0.96
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD11	15	0.96
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	3	0.96
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	7	0.96
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD11	15	0.96
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	7	0.96
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	6	0.96
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG22	5	0.96
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	12	0.96
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	12	0.96
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	3	0.96
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	3	0.96
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	1	0.96
(2,3700)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	6	0.96
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	7	0.96
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	1	0.96
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	6	0.96
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	7	0.96
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD11	9	0.96
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD11	9	0.96
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	1	0.96
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	5	0.96
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	9	0.96
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	9	0.96
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	4	0.96
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	4	0.96
(2,1990)	1:52:B:ALA:HA	1:14:A:LEU:HD23	13	0.96
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	1	0.96
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	14	0.96
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	1	0.96
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	12	0.96
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	12	0.96
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	15	0.96
(2,1594)	1:37:B:GLU:HA	1:51:B:ARG:HG3	14	0.96
(2,1593)	1:37:A:GLU:HA	1:51:A:ARG:HG3	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	7	0.96
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD13	9	0.96
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	2	0.96
(1,3182)	1:11:B:ARG:HG3	1:63:A:ASP:H	13	0.96
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD13	6	0.96
(1,3106)	1:53:B:LYS:HE3	1:53:A:LYS:H	13	0.96
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	13	0.96
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD11	6	0.96
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	15	0.96
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	1	0.96
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB2	5	0.96
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	12	0.96
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB2	5	0.96
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	12	0.96
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	11	0.96
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	11	0.96
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	11	0.96
(1,2730)	1:52:B:ALA:HB3	1:51:B:ARG:H	15	0.96
(1,2729)	1:52:A:ALA:HB3	1:51:A:ARG:H	15	0.96
(1,2670)	1:4:B:THR:HG21	1:5:B:LEU:HA	1	0.96
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	3	0.96
(1,2613)	1:20:A:THR:HG22	1:39:A:HIS:HB3	12	0.96
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD13	3	0.96
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB2	9	0.96
(1,2224)	1:22:B:LEU:HG	1:25:B:GLY:HA3	1	0.96
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	2	0.96
(1,2223)	1:22:A:LEU:HG	1:25:A:GLY:HA3	1	0.96
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	2	0.96
(1,2218)	1:2:B:PRO:HG3	1:5:B:LEU:HA	10	0.96
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	8	0.96
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	14	0.96
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	8	0.96
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	9	0.96
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	9	0.96
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	1	0.96
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD1	4	0.96
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD1	4	0.96
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	2	0.96
(1,1430)	1:34:B:GLU:H	1:36:B:ARG:HD2	12	0.96
(1,1429)	1:34:A:GLU:H	1:36:A:ARG:HD2	12	0.96
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	13	0.96
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD11	2	0.96
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	5	0.96
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	15	0.96
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	15	0.96
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	6	0.96
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	6	0.96
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	6	0.96
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	5	0.96
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	5	0.96
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD13	2	0.96
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD22	11	0.96
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD13	15	0.96
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD13	2	0.96
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD22	11	0.96
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD13	15	0.96
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	15	0.96
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	13	0.96
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	1	0.96
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	2	0.96
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	11	0.96
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE1	1	0.95
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE2	3	0.95
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE2	5	0.95
(2,4723)	1:52:A:ALA:HB1	1:49:B:GLN:HG3	15	0.95
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD12	10	0.95
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	3	0.95
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	1	0.95
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD11	5	0.95
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	11	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	1	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD11	5	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	11	0.95
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	12	0.95
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	10	0.95
(2,4308)	1:16:B:GLU:HA	1:15:B:GLU:HG3	6	0.95
(2,4307)	1:16:A:GLU:HA	1:15:A:GLU:HG3	6	0.95
(2,4266)	1:58:B:ALA:HB3	1:59:B:GLU:HB3	2	0.95
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	4	0.95
(2,4266)	1:58:B:ALA:HB2	1:59:B:GLU:HB3	8	0.95
(2,4265)	1:58:A:ALA:HB3	1:59:A:GLU:HB3	2	0.95
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	4	0.95
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG22	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG23	7	0.95
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	2	0.95
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	3	0.95
(2,3700)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	5	0.95
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	8	0.95
(2,3700)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	13	0.95
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	14	0.95
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	2	0.95
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	3	0.95
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	5	0.95
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	8	0.95
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	13	0.95
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	14	0.95
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD13	15	0.95
(2,3574)	1:2:B:PRO:HB3	1:29:B:LEU:HD13	12	0.95
(2,3573)	1:2:A:PRO:HB3	1:29:A:LEU:HD13	12	0.95
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	9	0.95
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	9	0.95
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	14	0.95
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	14	0.95
(2,3144)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	3	0.95
(2,3143)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	3	0.95
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	1	0.95
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	7	0.95
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	1	0.95
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	5	0.95
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	5	0.95
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	15	0.95
(2,1674)	1:15:B:GLU:HA	1:9:B:LEU:HD22	1	0.95
(2,1673)	1:15:A:GLU:HA	1:9:A:LEU:HD22	1	0.95
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	12	0.95
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	12	0.95
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	12	0.95
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	13	0.95
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	12	0.95
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	13	0.95
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	5	0.95
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD13	9	0.95
(1,3181)	1:11:A:ARG:HG3	1:63:B:ASP:H	13	0.95
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HG2	8	0.95
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	15	0.95
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	10	0.95
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	10	0.95
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	4	0.95
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	11	0.95
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	4	0.95
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	11	0.95
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	2	0.95
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	5	0.95
(1,2832)	1:12:B:ILE:HD12	1:8:B:LEU:H	15	0.95
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	2	0.95
(1,2831)	1:12:A:ILE:HD12	1:8:A:LEU:H	15	0.95
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	3	0.95
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	5	0.95
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG23	9	0.95
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG23	9	0.95
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD13	5	0.95
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	9	0.95
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD13	5	0.95
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	9	0.95
(1,2577)	1:43:A:LEU:HD22	1:20:A:THR:HA	9	0.95
(1,2568)	1:40:B:LEU:HD12	1:43:B:LEU:HA	5	0.95
(1,2568)	1:40:B:LEU:HD11	1:43:B:LEU:HA	11	0.95
(1,2567)	1:40:A:LEU:HD12	1:43:A:LEU:HA	5	0.95
(1,2567)	1:40:A:LEU:HD11	1:43:A:LEU:HA	11	0.95
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB2	2	0.95
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB2	9	0.95
(1,2518)	1:22:B:LEU:HD13	1:5:B:LEU:HB3	12	0.95
(1,2517)	1:22:A:LEU:HD13	1:5:A:LEU:HB3	12	0.95
(1,2516)	1:60:B:LEU:H	1:61:B:LEU:HD22	4	0.95
(1,2515)	1:60:A:LEU:H	1:61:A:LEU:HD22	4	0.95
(1,2513)	1:33:A:LYS:H	1:61:A:LEU:HD21	13	0.95
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	15	0.95
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD23	2	0.95
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	4	0.95
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	4	0.95
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	11	0.95
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	11	0.95
(1,2258)	1:54:B:LEU:HD11	1:51:B:ARG:HB2	6	0.95
(1,2257)	1:54:A:LEU:HD11	1:51:A:ARG:HB2	6	0.95
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	15	0.95
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	15	0.95
(1,2217)	1:2:A:PRO:HG3	1:5:A:LEU:HA	10	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	5	0.95
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD21	5	0.95
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	14	0.95
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	14	0.95
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	3	0.95
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	8	0.95
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	10	0.95
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	10	0.95
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	10	0.95
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	10	0.95
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	1	0.95
(1,1136)	1:64:B:TYR:HA	1:61:A:LEU:HD22	11	0.95
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD23	14	0.95
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	12	0.95
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	4	0.95
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	5	0.95
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	12	0.95
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD22	5	0.95
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	7	0.95
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	7	0.95
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	6	0.95
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	6	0.95
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG21	3	0.95
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	5	0.95
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	6	0.95
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	3	0.95
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	5	0.95
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG23	13	0.95
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	13	0.95
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	13	0.95
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	3	0.95
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	3	0.95
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD21	2	0.95
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD21	2	0.95
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	5	0.95
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	13	0.95
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	5	0.95
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	13	0.95
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD12	10	0.94
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	6	0.94
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	10	0.94
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4265)	1:58:A:ALA:HB2	1:59:A:GLU:HB3	8	0.94
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	3	0.94
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG23	7	0.94
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	2	0.94
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD22	5	0.94
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD22	5	0.94
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	4	0.94
(2,3700)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	12	0.94
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	4	0.94
(2,3699)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	12	0.94
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	14	0.94
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	14	0.94
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD13	10	0.94
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD13	15	0.94
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	9	0.94
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	9	0.94
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	13	0.94
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	15	0.94
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	6	0.94
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	6	0.94
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	6	0.94
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	6	0.94
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD21	3	0.94
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD21	12	0.94
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD21	3	0.94
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD21	12	0.94
(2,1643)	1:6:A:HIS:HA	1:9:A:LEU:HB3	7	0.94
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	1	0.94
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	1	0.94
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	6	0.94
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	5	0.94
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	6	0.94
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD13	10	0.94
(1,3105)	1:53:A:LYS:HE3	1:53:B:LYS:H	13	0.94
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	2	0.94
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB2	12	0.94
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	5	0.94
(1,2828)	1:12:B:ILE:HD11	1:56:A:THR:HB	13	0.94
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB2	9	0.94
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB2	9	0.94
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB3	10	0.94
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB3	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	5	0.94
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	1	0.94
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	11	0.94
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	11	0.94
(1,2586)	1:24:B:ASN:H	1:23:B:LEU:HD21	4	0.94
(1,2585)	1:24:A:ASN:H	1:23:A:LEU:HD21	4	0.94
(1,2578)	1:43:B:LEU:HD22	1:20:B:THR:HA	9	0.94
(1,2530)	1:54:B:LEU:HD23	1:57:B:ALA:HB3	4	0.94
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB3	11	0.94
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB2	2	0.94
(1,2529)	1:54:A:LEU:HD23	1:57:A:ALA:HB3	4	0.94
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB3	11	0.94
(1,2514)	1:33:B:LYS:H	1:61:B:LEU:HD21	13	0.94
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	15	0.94
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD12	11	0.94
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD23	2	0.94
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	13	0.94
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	3	0.94
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	14	0.94
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	2	0.94
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	3	0.94
(1,2064)	1:33:B:LYS:HB2	1:33:B:LYS:HD2	9	0.94
(1,2063)	1:33:A:LYS:HB2	1:33:A:LYS:HD2	9	0.94
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	3	0.94
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	8	0.94
(1,1690)	1:32:B:PHE:HB2	1:8:B:LEU:HB2	6	0.94
(1,1689)	1:32:A:PHE:HB2	1:8:A:LEU:HB2	6	0.94
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	1	0.94
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	7	0.94
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	7	0.94
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD13	1	0.94
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD11	15	0.94
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD11	15	0.94
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD23	14	0.94
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	4	0.94
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD22	5	0.94
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	14	0.94
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	14	0.94
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG23	13	0.94
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	4	0.94
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	3	0.94
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	12	0.94
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	2	0.94
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	2	0.94
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE1	4	0.93
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE1	1	0.93
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE2	8	0.93
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB2	6	0.93
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB2	6	0.93
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	4	0.93
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD11	4	0.93
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD11	4	0.93
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	1	0.93
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	1	0.93
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	3	0.93
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	2	0.93
(2,3802)	1:21:B:LEU:HD12	1:17:B:HIS:HB3	2	0.93
(2,3801)	1:21:A:LEU:HD12	1:17:A:HIS:HB3	2	0.93
(2,3700)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	10	0.93
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	11	0.93
(2,3699)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	10	0.93
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	11	0.93
(2,3699)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	15	0.93
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD13	7	0.93
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD12	13	0.93
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD12	14	0.93
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD13	7	0.93
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD13	10	0.93
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD12	13	0.93
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD12	14	0.93
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	2	0.93
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	2	0.93
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD12	12	0.93
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	12	0.93
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	12	0.93
(2,3488)	1:61:B:LEU:HD11	1:32:B:PHE:HZ	8	0.93
(2,3488)	1:61:B:LEU:HD12	1:32:B:PHE:HZ	12	0.93
(2,3487)	1:61:A:LEU:HD11	1:32:A:PHE:HZ	8	0.93
(2,3487)	1:61:A:LEU:HD12	1:32:A:PHE:HZ	12	0.93
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	9	0.93
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	9	0.93
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	1	0.93
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	13	0.93
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	11	0.93
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	15	0.93
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	11	0.93
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	12	0.93
(2,2198)	1:11:B:ARG:HD2	1:59:A:GLU:HB2	13	0.93
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	1	0.93
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	1	0.93
(2,1644)	1:6:B:HIS:HA	1:9:B:LEU:HB3	7	0.93
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	15	0.93
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	13	0.93
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	13	0.93
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD13	10	0.93
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD12	11	0.93
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD11	3	0.93
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD12	12	0.93
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	9	0.93
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	11	0.93
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	2	0.93
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	12	0.93
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB2	12	0.93
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	10	0.93
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	10	0.93
(1,2827)	1:12:A:ILE:HD12	1:56:B:THR:HB	6	0.93
(1,2827)	1:12:A:ILE:HD11	1:56:B:THR:HB	13	0.93
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	6	0.93
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	6	0.93
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB3	4	0.93
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB3	4	0.93
(1,2758)	1:57:B:ALA:HB1	1:59:A:GLU:HB2	14	0.93
(1,2738)	1:58:B:ALA:HB2	1:61:B:LEU:HD13	10	0.93
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD12	6	0.93
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD12	6	0.93
(1,2679)	1:30:A:GLU:H	1:4:A:THR:HG23	14	0.93
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG23	4	0.93
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	2	0.93
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	1	0.93
(1,2577)	1:43:A:LEU:HD22	1:40:A:LEU:HA	15	0.93
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	10	0.93
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	7	0.93
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	7	0.93
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD12	11	0.93
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	9	0.93
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	9	0.93
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	13	0.93
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	8	0.93
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	8	0.93
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	2	0.93
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	13	0.93
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	3	0.93
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	1	0.93
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	1	0.93
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	1	0.93
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD13	15	0.93
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD13	15	0.93
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	15	0.93
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	15	0.93
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD12	6	0.93
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD22	12	0.93
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD13	1	0.93
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD22	12	0.93
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	2	0.93
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	2	0.93
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	13	0.93
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD1	10	0.93
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD1	10	0.93
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	4	0.93
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG22	2	0.93
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	9	0.93
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	3	0.93
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	12	0.93
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	15	0.93
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	6	0.93
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	15	0.93
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	7	0.93
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	11	0.93
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	12	0.93
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE2	5	0.92
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE1	4	0.92
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD11	9	0.92
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD11	9	0.92
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	4	0.92
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	9	0.92
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	15	0.92
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	15	0.92
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	8	0.92
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	9	0.92
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	14	0.92
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	8	0.92
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	9	0.92
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	14	0.92
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	13	0.92
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	13	0.92
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG22	15	0.92
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG22	15	0.92
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD22	3	0.92
(2,3700)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	15	0.92
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD13	2	0.92
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD11	3	0.92
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD13	2	0.92
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD12	8	0.92
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD12	8	0.92
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD12	12	0.92
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	12	0.92
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	12	0.92
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	8	0.92
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	1	0.92
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	8	0.92
(2,2692)	1:7:B:GLU:HG2	1:5:B:LEU:H	15	0.92
(2,2691)	1:7:A:GLU:HG2	1:5:A:LEU:H	15	0.92
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	11	0.92
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	11	0.92
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	4	0.92
(2,2154)	1:51:B:ARG:HD3	1:55:B:LEU:HD21	10	0.92
(2,2153)	1:51:A:ARG:HD3	1:55:A:LEU:HD21	10	0.92
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	6	0.92
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	7	0.92
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	7	0.92
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	15	0.92
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD12	2	0.92
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD13	3	0.92
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD12	2	0.92
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD13	3	0.92
(1,3050)	1:6:B:HIS:HD2	1:4:B:THR:HG21	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3049)	1:6:A:HIS:HD2	1:4:A:THR:HG21	3	0.92
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	11	0.92
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	2	0.92
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	2	0.92
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	12	0.92
(1,2780)	1:12:B:ILE:HG21	1:11:B:ARG:HA	10	0.92
(1,2779)	1:12:A:ILE:HG21	1:11:A:ARG:HA	10	0.92
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	11	0.92
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	12	0.92
(1,2757)	1:57:A:ALA:HB1	1:59:B:GLU:HB2	14	0.92
(1,2737)	1:58:A:ALA:HB2	1:61:A:LEU:HD13	10	0.92
(1,2718)	1:52:B:ALA:HB3	1:55:B:LEU:HD21	11	0.92
(1,2717)	1:52:A:ALA:HB3	1:55:A:LEU:HD21	11	0.92
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	11	0.92
(1,2680)	1:30:B:GLU:H	1:4:B:THR:HG23	14	0.92
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG23	4	0.92
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	3	0.92
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	2	0.92
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	8	0.92
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	1	0.92
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	1	0.92
(1,2578)	1:43:B:LEU:HD22	1:40:B:LEU:HA	15	0.92
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	10	0.92
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	1	0.92
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	3	0.92
(1,2258)	1:54:B:LEU:HD13	1:51:B:ARG:HB2	3	0.92
(1,2257)	1:54:A:LEU:HD13	1:51:A:ARG:HB2	3	0.92
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	2	0.92
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	2	0.92
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	13	0.92
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	5	0.92
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	5	0.92
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	1	0.92
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	13	0.92
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	13	0.92
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD13	3	0.92
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD12	15	0.92
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD13	3	0.92
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD12	6	0.92
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD23	11	0.92
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	13	0.92
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	5	0.92
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD2	6	0.92
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD2	6	0.92
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	4	0.92
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG22	2	0.92
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD12	2	0.92
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD12	2	0.92
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	9	0.92
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	14	0.92
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	6	0.92
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	8	0.92
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	12	0.92
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	8	0.92
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	10	0.92
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE1	9	0.91
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD11	2	0.91
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD11	2	0.91
(2,4690)	1:8:B:LEU:HD22	1:32:B:PHE:HZ	14	0.91
(2,4689)	1:8:A:LEU:HD22	1:32:A:PHE:HZ	14	0.91
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	11	0.91
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	11	0.91
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD12	2	0.91
(2,4410)	1:8:B:LEU:HB2	1:8:B:LEU:HD13	13	0.91
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD12	2	0.91
(2,4409)	1:8:A:LEU:HB2	1:8:A:LEU:HD13	13	0.91
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	14	0.91
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	14	0.91
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	12	0.91
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD22	3	0.91
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	15	0.91
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	15	0.91
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD12	15	0.91
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD12	12	0.91
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD12	13	0.91
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD11	3	0.91
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD12	12	0.91
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD12	13	0.91
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	1	0.91
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD11	12	0.91
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	2	0.91
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	4	0.91
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	12	0.91
(2,2197)	1:11:A:ARG:HD2	1:59:B:GLU:HB2	13	0.91
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD11	4	0.91
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD11	4	0.91
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	11	0.91
(2,1266)	1:44:B:ASN:HD22	1:46:B:MET:HE3	3	0.91
(2,1265)	1:44:A:ASN:HD22	1:46:A:MET:HE3	3	0.91
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	3	0.91
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD12	4	0.91
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD12	12	0.91
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	10	0.91
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	10	0.91
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD21	4	0.91
(1,3014)	1:35:B:LEU:HD13	1:32:B:PHE:HD1	2	0.91
(1,3013)	1:35:A:LEU:HD13	1:32:A:PHE:HD1	2	0.91
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	14	0.91
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	14	0.91
(1,2828)	1:12:B:ILE:HD12	1:56:A:THR:HB	6	0.91
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	11	0.91
(1,2779)	1:12:A:ILE:HG22	1:11:A:ARG:HA	2	0.91
(1,2770)	1:56:B:THR:H	1:57:B:ALA:HB1	13	0.91
(1,2769)	1:56:A:THR:H	1:57:A:ALA:HB1	13	0.91
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	12	0.91
(1,2757)	1:57:A:ALA:HB3	1:59:B:GLU:HB2	6	0.91
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	5	0.91
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	1	0.91
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	13	0.91
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	1	0.91
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	3	0.91
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	13	0.91
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	8	0.91
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	4	0.91
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	4	0.91
(1,2614)	1:20:B:THR:HG22	1:39:B:HIS:HB3	15	0.91
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	2	0.91
(1,2613)	1:20:A:THR:HG22	1:39:A:HIS:HB3	15	0.91
(1,2518)	1:22:B:LEU:HD12	1:5:B:LEU:HB3	9	0.91
(1,2517)	1:22:A:LEU:HD12	1:5:A:LEU:HB3	9	0.91
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	6	0.91
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	6	0.91
(1,2496)	1:59:B:GLU:H	1:35:B:LEU:HD13	8	0.91
(1,2495)	1:59:A:GLU:H	1:35:A:LEU:HD13	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	9	0.91
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	6	0.91
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	15	0.91
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	6	0.91
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	15	0.91
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	11	0.91
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	11	0.91
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	7	0.91
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	7	0.91
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG21	4	0.91
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD12	15	0.91
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	10	0.91
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	10	0.91
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	9	0.91
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	9	0.91
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD23	11	0.91
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD13	11	0.91
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD13	11	0.91
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	6	0.91
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	2	0.91
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	2	0.91
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	13	0.91
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD12	14	0.91
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD12	14	0.91
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	5	0.91
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	7	0.91
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	7	0.91
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG21	1	0.91
(1,430)	1:37:B:GLU:H	1:38:B:THR:HG23	8	0.91
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG21	1	0.91
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD12	6	0.91
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD12	6	0.91
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	5	0.91
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	5	0.91
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	14	0.91
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	8	0.91
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	9	0.91
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	8	0.91
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	9	0.91
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	8	0.91
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	4	0.91
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	5	0.91
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	7	0.91
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE1	9	0.9
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	7	0.9
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	7	0.9
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	7	0.9
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	2	0.9
(2,4450)	1:9:B:LEU:HD13	1:32:B:PHE:HD2	10	0.9
(2,4266)	1:58:B:ALA:HB1	1:59:B:GLU:HB3	9	0.9
(2,4265)	1:58:A:ALA:HB1	1:59:A:GLU:HB3	9	0.9
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	2	0.9
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	2	0.9
(2,4046)	1:55:B:LEU:HD11	1:58:B:ALA:HB3	15	0.9
(2,4045)	1:55:A:LEU:HD11	1:58:A:ALA:HB3	15	0.9
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	12	0.9
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD11	13	0.9
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD11	13	0.9
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD12	15	0.9
(2,3612)	1:39:B:HIS:HA	1:43:B:LEU:HD12	14	0.9
(2,3611)	1:39:A:HIS:HA	1:43:A:LEU:HD12	14	0.9
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	3	0.9
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	3	0.9
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	10	0.9
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	10	0.9
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD11	12	0.9
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	8	0.9
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	11	0.9
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	15	0.9
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	15	0.9
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	6	0.9
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	11	0.9
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	11	0.9
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	11	0.9
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	3	0.9
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD12	4	0.9
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	11	0.9
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	11	0.9
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD11	3	0.9
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD13	7	0.9
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD21	4	0.9
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	5	0.9
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	9	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	12	0.9
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	12	0.9
(1,2993)	1:64:A:TYR:HD2	1:65:B:ASP:H	15	0.9
(1,2780)	1:12:B:ILE:HG22	1:11:B:ARG:HA	2	0.9
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	3	0.9
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	3	0.9
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	5	0.9
(1,2670)	1:4:B:THR:HG22	1:5:B:LEU:HA	15	0.9
(1,2669)	1:4:A:THR:HG22	1:5:A:LEU:HA	15	0.9
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG23	6	0.9
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	2	0.9
(1,2517)	1:22:A:LEU:HD11	1:5:A:LEU:HB3	2	0.9
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	6	0.9
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	6	0.9
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	9	0.9
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	7	0.9
(1,2066)	1:33:B:LYS:HD2	1:34:B:GLU:HG3	9	0.9
(1,2065)	1:33:A:LYS:HD2	1:34:A:GLU:HG3	2	0.9
(1,2065)	1:33:A:LYS:HD2	1:34:A:GLU:HG3	9	0.9
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	7	0.9
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	7	0.9
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	15	0.9
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	15	0.9
(1,1650)	1:63:B:ASP:HB3	1:8:A:LEU:HD23	14	0.9
(1,1649)	1:63:A:ASP:HB3	1:8:B:LEU:HD23	14	0.9
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	3	0.9
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	10	0.9
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	10	0.9
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG21	4	0.9
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD12	10	0.9
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD12	10	0.9
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	1	0.9
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	1	0.9
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	8	0.9
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	8	0.9
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD12	10	0.9
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD12	10	0.9
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	6	0.9
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD11	4	0.9
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	1	0.9
(1,429)	1:37:A:GLU:H	1:38:A:THR:HG23	8	0.9
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	8	0.9
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	13	0.9
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	13	0.9
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	7	0.9
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	7	0.9
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	10	0.9
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	8	0.9
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	4	0.9
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	14	0.9
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	4	0.89
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	3	0.89
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE2	2	0.89
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE2	8	0.89
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	2	0.89
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	7	0.89
(2,4655)	1:6:A:HIS:HD2	1:10:A:GLU:HG2	2	0.89
(2,4628)	1:45:B:ILE:HG23	1:50:B:HIS:HE1	12	0.89
(2,4627)	1:45:A:ILE:HG23	1:50:A:HIS:HE1	12	0.89
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	2	0.89
(2,4449)	1:9:A:LEU:HD13	1:32:A:PHE:HD2	10	0.89
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	12	0.89
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	12	0.89
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD12	3	0.89
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD12	3	0.89
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	1	0.89
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	1	0.89
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	8	0.89
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	13	0.89
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	13	0.89
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	10	0.89
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	11	0.89
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	9	0.89
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	9	0.89
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD12	11	0.89
(1,3089)	1:8:A:LEU:HD21	1:56:B:THR:HA	6	0.89
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD21	10	0.89
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	5	0.89
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	1	0.89
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	1	0.89
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	5	0.89
(1,2747)	1:58:A:ALA:HB1	1:34:A:GLU:HG2	8	0.89
(1,2747)	1:58:A:ALA:HB3	1:34:A:GLU:HG2	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	11	0.89
(1,2674)	1:4:B:THR:HG22	1:6:B:HIS:HA	8	0.89
(1,2673)	1:4:A:THR:HG22	1:6:A:HIS:HA	8	0.89
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	15	0.89
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	15	0.89
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG23	6	0.89
(1,2578)	1:43:B:LEU:HD22	1:20:B:THR:HA	8	0.89
(1,2577)	1:43:A:LEU:HD22	1:20:A:THR:HA	8	0.89
(1,2518)	1:22:B:LEU:HD11	1:5:B:LEU:HB3	2	0.89
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	6	0.89
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	5	0.89
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	12	0.89
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	12	0.89
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	11	0.89
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	11	0.89
(1,2066)	1:33:B:LYS:HD2	1:34:B:GLU:HG3	2	0.89
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	11	0.89
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	11	0.89
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	3	0.89
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD12	5	0.89
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD12	5	0.89
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD23	10	0.89
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD23	10	0.89
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	8	0.89
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	15	0.89
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	8	0.89
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	15	0.89
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD11	4	0.89
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	10	0.89
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	10	0.89
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	1	0.89
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD12	12	0.89
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD12	10	0.89
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD12	12	0.89
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	15	0.89
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	15	0.89
(1,192)	1:13:B:GLY:H	1:14:B:LEU:HG	7	0.89
(1,191)	1:13:A:GLY:H	1:14:A:LEU:HG	7	0.89
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	3	0.89
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	3	0.89
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	10	0.89
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	14	0.89
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	3	0.89
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE2	2	0.88
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	2	0.88
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	4	0.88
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	1	0.88
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	5	0.88
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	1	0.88
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	5	0.88
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	5	0.88
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	9	0.88
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	9	0.88
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD22	10	0.88
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD22	10	0.88
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	8	0.88
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD12	7	0.88
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD13	2	0.88
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD13	2	0.88
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD12	5	0.88
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD11	15	0.88
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD12	5	0.88
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD11	15	0.88
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	15	0.88
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	13	0.88
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	13	0.88
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD11	2	0.88
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	13	0.88
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD11	2	0.88
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	13	0.88
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD22	13	0.88
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD22	13	0.88
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	10	0.88
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	10	0.88
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	10	0.88
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD21	8	0.88
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD21	8	0.88
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD11	5	0.88
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD11	5	0.88
(1,3144)	1:12:B:ILE:HD13	1:60:A:LEU:HD12	13	0.88
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD13	7	0.88
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	6	0.88
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	6	0.88
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	15	0.88
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	2	0.88
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	2	0.88
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB3	9	0.88
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	5	0.88
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	5	0.88
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	5	0.88
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	7	0.88
(1,2760)	1:57:B:ALA:HB1	1:53:B:LYS:HE2	14	0.88
(1,2759)	1:57:A:ALA:HB1	1:53:A:LYS:HE2	14	0.88
(1,2748)	1:58:B:ALA:HB1	1:34:B:GLU:HG2	8	0.88
(1,2748)	1:58:B:ALA:HB3	1:34:B:GLU:HG2	9	0.88
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	1	0.88
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	4	0.88
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	1	0.88
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	4	0.88
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	9	0.88
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	9	0.88
(1,2613)	1:20:A:THR:HG22	1:39:A:HIS:HB3	10	0.88
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	6	0.88
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD11	5	0.88
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD11	5	0.88
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	1	0.88
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	1	0.88
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	5	0.88
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	7	0.88
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD13	8	0.88
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD13	8	0.88
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	5	0.88
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	3	0.88
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	3	0.88
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD1	13	0.88
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD1	13	0.88
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	8	0.88
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	13	0.88
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	13	0.88
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	12	0.88
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	12	0.88
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD12	12	0.88
(1,979)	1:22:A:LEU:H	1:19:A:SER:HB2	7	0.88
(1,952)	1:2:B:PRO:HA	1:4:B:THR:HG23	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:2:A:PRO:HA	1:4:A:THR:HG23	8	0.88
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HB3	9	0.88
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HB3	9	0.88
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD12	10	0.88
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	1	0.88
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	1	0.88
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	11	0.88
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	11	0.88
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	3	0.87
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	4	0.87
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	14	0.87
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE2	11	0.87
(2,4849)	1:56:A:THR:HG21	1:12:B:ILE:HD12	15	0.87
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	4	0.87
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	5	0.87
(2,4670)	1:6:B:HIS:HE1	1:18:B:THR:HG22	12	0.87
(2,4669)	1:6:A:HIS:HE1	1:18:A:THR:HG22	12	0.87
(2,4656)	1:6:B:HIS:HD2	1:10:B:GLU:HG2	2	0.87
(2,3850)	1:43:B:LEU:HD21	1:21:B:LEU:H	12	0.87
(2,3849)	1:43:A:LEU:HD21	1:21:A:LEU:H	12	0.87
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	8	0.87
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD12	7	0.87
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD11	3	0.87
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD11	3	0.87
(2,3596)	1:35:B:LEU:HD23	1:43:B:LEU:HD13	4	0.87
(2,3595)	1:35:A:LEU:HD23	1:43:A:LEU:HD13	4	0.87
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	11	0.87
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	11	0.87
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	15	0.87
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	12	0.87
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	6	0.87
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	3	0.87
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	3	0.87
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	15	0.87
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	15	0.87
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	2	0.87
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	12	0.87
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	12	0.87
(1,3143)	1:12:A:ILE:HD13	1:60:B:LEU:HD12	13	0.87
(1,3090)	1:8:B:LEU:HD21	1:56:A:THR:HA	6	0.87
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD21	10	0.87
(1,3014)	1:35:B:LEU:HD22	1:32:B:PHE:HD1	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:35:B:LEU:HD23	1:32:B:PHE:HD2	15	0.87
(1,3013)	1:35:A:LEU:HD22	1:32:A:PHE:HD1	6	0.87
(1,3013)	1:35:A:LEU:HD23	1:32:A:PHE:HD2	15	0.87
(1,2994)	1:64:B:TYR:HD2	1:65:A:ASP:H	15	0.87
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB3	9	0.87
(1,2806)	1:45:B:ILE:HG21	1:40:B:LEU:HA	15	0.87
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	1	0.87
(1,2780)	1:12:B:ILE:HG23	1:11:B:ARG:HA	7	0.87
(1,2779)	1:12:A:ILE:HG23	1:11:A:ARG:HA	1	0.87
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	4	0.87
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	4	0.87
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG21	7	0.87
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG21	7	0.87
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	9	0.87
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	9	0.87
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	5	0.87
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	14	0.87
(1,2614)	1:20:B:THR:HG22	1:39:B:HIS:HB3	10	0.87
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	3	0.87
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	3	0.87
(1,2391)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	10	0.87
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	5	0.87
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	10	0.87
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	10	0.87
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD13	9	0.87
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	7	0.87
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	1	0.87
(1,1692)	1:32:B:PHE:HB2	1:61:B:LEU:HB3	5	0.87
(1,1692)	1:32:B:PHE:HB2	1:61:B:LEU:HB3	14	0.87
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	1	0.87
(1,1691)	1:32:A:PHE:HB2	1:61:A:LEU:HB3	14	0.87
(1,1634)	1:65:B:ASP:HB3	1:61:B:LEU:HB3	10	0.87
(1,1633)	1:65:A:ASP:HB3	1:61:A:LEU:HB3	10	0.87
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	8	0.87
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	7	0.87
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG21	12	0.87
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	5	0.87
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	5	0.87
(1,1068)	1:30:B:GLU:HA	1:29:B:LEU:HD11	4	0.87
(1,1067)	1:30:A:GLU:HA	1:29:A:LEU:HD11	4	0.87
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	10	0.87
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD12	12	0.87
(1,989)	1:19:A:SER:HB3	1:18:A:THR:HA	14	0.87
(1,980)	1:22:B:LEU:H	1:19:B:SER:HB2	7	0.87
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD1	12	0.87
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD1	12	0.87
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	6	0.87
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	14	0.87
(1,430)	1:37:B:GLU:H	1:35:B:LEU:HB3	9	0.87
(1,429)	1:37:A:GLU:H	1:35:A:LEU:HB3	9	0.87
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD12	3	0.87
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD12	3	0.87
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	11	0.87
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	3	0.87
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	9	0.87
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	14	0.86
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD13	3	0.86
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	11	0.86
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	11	0.86
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	14	0.86
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	6	0.86
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG21	12	0.86
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG21	12	0.86
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	7	0.86
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	7	0.86
(2,3850)	1:43:B:LEU:HD21	1:21:B:LEU:H	10	0.86
(2,3849)	1:43:A:LEU:HD21	1:21:A:LEU:H	10	0.86
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	5	0.86
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	5	0.86
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD12	2	0.86
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD12	2	0.86
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	15	0.86
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	10	0.86
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG21	14	0.86
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG21	14	0.86
(2,2712)	1:30:B:GLU:H	1:30:B:GLU:HG3	11	0.86
(2,2711)	1:30:A:GLU:H	1:30:A:GLU:HG3	11	0.86
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	6	0.86
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	11	0.86
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	12	0.86
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	11	0.86
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	12	0.86
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1836)	1:40:B:LEU:HA	1:43:B:LEU:HB3	11	0.86
(2,1835)	1:40:A:LEU:HA	1:43:A:LEU:HB3	11	0.86
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	8	0.86
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	8	0.86
(2,816)	1:43:B:LEU:H	1:43:B:LEU:HG	1	0.86
(2,815)	1:43:A:LEU:H	1:43:A:LEU:HG	1	0.86
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD12	10	0.86
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD12	15	0.86
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD12	10	0.86
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	2	0.86
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD11	8	0.86
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD12	9	0.86
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD12	9	0.86
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	13	0.86
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	13	0.86
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	14	0.86
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	14	0.86
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	14	0.86
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	14	0.86
(1,2805)	1:45:A:ILE:HG21	1:40:A:LEU:HA	15	0.86
(1,2758)	1:57:B:ALA:HB3	1:59:A:GLU:HB2	6	0.86
(1,2670)	1:4:B:THR:HG22	1:5:B:LEU:HA	11	0.86
(1,2669)	1:4:A:THR:HG22	1:5:A:LEU:HA	11	0.86
(1,2634)	1:14:B:LEU:HD11	1:54:B:LEU:HA	12	0.86
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	5	0.86
(1,2633)	1:14:A:LEU:HD11	1:54:A:LEU:HA	12	0.86
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	14	0.86
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	15	0.86
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	15	0.86
(1,2530)	1:54:B:LEU:HD21	1:57:B:ALA:HB1	13	0.86
(1,2529)	1:54:A:LEU:HD21	1:57:A:ALA:HB1	13	0.86
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	2	0.86
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	2	0.86
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	6	0.86
(1,2392)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	10	0.86
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	2	0.86
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	4	0.86
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	10	0.86
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	15	0.86
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	4	0.86
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	15	0.86
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	5	0.86
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD13	9	0.86
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	11	0.86
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	11	0.86
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	5	0.86
(1,1691)	1:32:A:PHE:HB2	1:61:A:LEU:HB3	5	0.86
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	8	0.86
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	7	0.86
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG21	12	0.86
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	8	0.86
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	8	0.86
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD23	14	0.86
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD23	14	0.86
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	11	0.86
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	11	0.86
(1,990)	1:19:B:SER:HB3	1:18:B:THR:HA	14	0.86
(1,978)	1:19:B:SER:HB2	1:20:B:THR:HB	14	0.86
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	12	0.86
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	14	0.86
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	3	0.86
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	3	0.86
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD13	15	0.86
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD13	15	0.86
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD22	10	0.86
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD22	10	0.86
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	11	0.86
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	9	0.86
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	10	0.85
(2,4850)	1:56:B:THR:HG21	1:12:A:ILE:HD12	15	0.85
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	14	0.85
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	14	0.85
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	3	0.85
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	3	0.85
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	8	0.85
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	14	0.85
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	8	0.85
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	14	0.85
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	14	0.85
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	1	0.85
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	1	0.85
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	6	0.85
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD11	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD11	8	0.85
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	8	0.85
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	8	0.85
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD11	3	0.85
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD11	3	0.85
(2,3590)	1:37:B:GLU:HG2	1:55:B:LEU:HD21	3	0.85
(2,3589)	1:37:A:GLU:HG2	1:55:A:LEU:HD21	3	0.85
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	6	0.85
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	6	0.85
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	15	0.85
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	10	0.85
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	11	0.85
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	10	0.85
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	11	0.85
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	8	0.85
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	8	0.85
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	12	0.85
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	15	0.85
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	14	0.85
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	14	0.85
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	5	0.85
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	10	0.85
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG23	13	0.85
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	12	0.85
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	12	0.85
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	9	0.85
(2,2190)	1:36:B:ARG:HA	1:36:B:ARG:HD3	14	0.85
(2,2189)	1:36:A:ARG:HA	1:36:A:ARG:HD3	14	0.85
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD11	7	0.85
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	1	0.85
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	12	0.85
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	10	0.85
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	15	0.85
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD11	4	0.85
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	9	0.85
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	9	0.85
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD12	15	0.85
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD11	11	0.85
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD11	8	0.85
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	5	0.85
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	4	0.85
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD1	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD2	9	0.85
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD1	3	0.85
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD2	9	0.85
(1,2996)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	7	0.85
(1,2995)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	7	0.85
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	11	0.85
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	11	0.85
(1,2674)	1:4:B:THR:HG21	1:6:B:HIS:HA	10	0.85
(1,2673)	1:4:A:THR:HG21	1:6:A:HIS:HA	10	0.85
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	13	0.85
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	13	0.85
(1,2613)	1:20:A:THR:HG21	1:39:A:HIS:HB3	8	0.85
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	8	0.85
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	8	0.85
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD22	13	0.85
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD22	13	0.85
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD11	1	0.85
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD13	4	0.85
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD11	1	0.85
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD13	4	0.85
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	3	0.85
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	2	0.85
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	10	0.85
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD23	12	0.85
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD23	12	0.85
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	7	0.85
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	7	0.85
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	15	0.85
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	13	0.85
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	13	0.85
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	7	0.85
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	4	0.85
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	3	0.85
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	15	0.85
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	15	0.85
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	12	0.85
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	12	0.85
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	1	0.85
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	5	0.85
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	1	0.85
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	5	0.85
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD23	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD23	15	0.85
(1,1014)	1:53:B:LYS:HA	1:14:B:LEU:HD23	6	0.85
(1,1013)	1:53:A:LYS:HA	1:14:A:LEU:HD23	6	0.85
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	5	0.85
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	5	0.85
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	10	0.85
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD1	2	0.85
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	12	0.85
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	7	0.85
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	7	0.85
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	1	0.85
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	1	0.85
(1,7)	1:53:A:LYS:H	1:56:B:THR:HA	15	0.85
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	10	0.84
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	4	0.84
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD11	6	0.84
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD11	12	0.84
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD13	3	0.84
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	4	0.84
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	6	0.84
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	4	0.84
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	6	0.84
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	6	0.84
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	6	0.84
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD11	9	0.84
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	14	0.84
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	14	0.84
(2,3751)	1:8:A:LEU:HG	1:5:A:LEU:HD21	10	0.84
(2,3701)	1:61:A:LEU:HD22	1:60:B:LEU:HG	10	0.84
(2,3662)	1:40:B:LEU:HD13	1:37:B:GLU:HA	3	0.84
(2,3661)	1:40:A:LEU:HD13	1:37:A:GLU:HA	3	0.84
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD12	1	0.84
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD12	1	0.84
(2,3496)	1:5:B:LEU:HD12	1:18:B:THR:HB	7	0.84
(2,3495)	1:5:A:LEU:HD12	1:18:A:THR:HB	7	0.84
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	8	0.84
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	8	0.84
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD23	8	0.84
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD23	8	0.84
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	15	0.84
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	5	0.84
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG23	5	0.84
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	11	0.84
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG23	5	0.84
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG21	6	0.84
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	11	0.84
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG23	13	0.84
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	9	0.84
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD11	7	0.84
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	12	0.84
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	1	0.84
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	4	0.84
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	4	0.84
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	10	0.84
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD11	4	0.84
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD23	15	0.84
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD23	15	0.84
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	11	0.84
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	15	0.84
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD11	11	0.84
(1,3143)	1:12:A:ILE:HD12	1:60:B:LEU:HD11	8	0.84
(1,3143)	1:12:A:ILE:HD11	1:60:B:LEU:HD12	14	0.84
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	4	0.84
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	5	0.84
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	13	0.84
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	12	0.84
(1,2994)	1:64:B:TYR:HD2	1:65:A:ASP:H	5	0.84
(1,2993)	1:64:A:TYR:HD2	1:65:B:ASP:H	5	0.84
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	7	0.84
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	7	0.84
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	8	0.84
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	14	0.84
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	8	0.84
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	14	0.84
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD11	3	0.84
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD11	3	0.84
(1,2614)	1:20:B:THR:HG21	1:39:B:HIS:HB3	8	0.84
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD12	7	0.84
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD12	10	0.84
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD12	7	0.84
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD12	10	0.84
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	4	0.84
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	2	0.84
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	2	0.84
(1,2530)	1:54:B:LEU:HD22	1:57:B:ALA:HB3	8	0.84
(1,2529)	1:54:A:LEU:HD22	1:57:A:ALA:HB3	8	0.84
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	15	0.84
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	15	0.84
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	5	0.84
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	12	0.84
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	3	0.84
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	5	0.84
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	12	0.84
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	6	0.84
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	13	0.84
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	13	0.84
(1,2196)	1:54:B:LEU:H	1:14:B:LEU:HD21	10	0.84
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	12	0.84
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	14	0.84
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	12	0.84
(1,2098)	1:53:B:LYS:HD3	1:12:B:ILE:HA	13	0.84
(1,2097)	1:53:A:LYS:HD3	1:12:A:ILE:HA	13	0.84
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	9	0.84
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	4	0.84
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	15	0.84
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	8	0.84
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	11	0.84
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	14	0.84
(1,977)	1:19:A:SER:HB2	1:20:A:THR:HB	14	0.84
(1,976)	1:19:B:SER:HB2	1:22:B:LEU:HB2	5	0.84
(1,975)	1:19:A:SER:HB2	1:22:A:LEU:HB2	5	0.84
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	10	0.84
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD13	9	0.84
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD13	9	0.84
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD1	2	0.84
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	8	0.84
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	12	0.84
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	12	0.84
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	8	0.84
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	12	0.84
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	8	0.84
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	13	0.84
(1,8)	1:53:B:LYS:H	1:56:A:THR:HA	15	0.84
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4824)	1:8:B:LEU:HD12	1:60:A:LEU:H	4	0.83
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD12	5	0.83
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	14	0.83
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	14	0.83
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD11	9	0.83
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD23	8	0.83
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD23	8	0.83
(2,3752)	1:8:B:LEU:HG	1:5:B:LEU:HD21	10	0.83
(2,3702)	1:61:B:LEU:HD22	1:60:A:LEU:HG	10	0.83
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD12	10	0.83
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD11	9	0.83
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD12	11	0.83
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD12	11	0.83
(2,3496)	1:5:B:LEU:HD12	1:18:B:THR:HB	4	0.83
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	4	0.83
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	4	0.83
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	6	0.83
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	7	0.83
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	7	0.83
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG21	6	0.83
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	10	0.83
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	10	0.83
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	2	0.83
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	2	0.83
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	14	0.83
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	14	0.83
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	15	0.83
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	11	0.83
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	15	0.83
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	11	0.83
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	11	0.83
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD21	10	0.83
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD21	10	0.83
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	13	0.83
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	5	0.83
(1,3144)	1:12:B:ILE:HD11	1:60:A:LEU:HD12	14	0.83
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	1	0.83
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	5	0.83
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	7	0.83
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	13	0.83
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	12	0.83
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	5	0.83
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD11	15	0.83
(1,2832)	1:12:B:ILE:HD11	1:8:B:LEU:H	6	0.83
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	12	0.83
(1,2831)	1:12:A:ILE:HD11	1:8:A:LEU:H	6	0.83
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	12	0.83
(1,2758)	1:57:B:ALA:HB2	1:59:A:GLU:HB2	1	0.83
(1,2757)	1:57:A:ALA:HB2	1:59:B:GLU:HB2	1	0.83
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	10	0.83
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	10	0.83
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	5	0.83
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	5	0.83
(1,2670)	1:4:B:THR:HG23	1:5:B:LEU:HA	14	0.83
(1,2669)	1:4:A:THR:HG23	1:5:A:LEU:HA	14	0.83
(1,2634)	1:14:B:LEU:HD11	1:54:B:LEU:HA	2	0.83
(1,2633)	1:14:A:LEU:HD11	1:54:A:LEU:HA	2	0.83
(1,2616)	1:20:B:THR:HG21	1:43:B:LEU:HA	11	0.83
(1,2615)	1:20:A:THR:HG21	1:43:A:LEU:HA	11	0.83
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	2	0.83
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	9	0.83
(1,2570)	1:40:B:LEU:HD11	1:41:B:ASN:H	12	0.83
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	9	0.83
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	6	0.83
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	5	0.83
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	5	0.83
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD11	6	0.83
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD11	6	0.83
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	8	0.83
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	11	0.83
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	8	0.83
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	6	0.83
(1,2195)	1:54:A:LEU:H	1:14:A:LEU:HD21	10	0.83
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	14	0.83
(1,2066)	1:33:B:LYS:HD2	1:34:B:GLU:HG3	5	0.83
(1,2065)	1:33:A:LYS:HD2	1:34:A:GLU:HG3	5	0.83
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	8	0.83
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	9	0.83
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	5	0.83
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	3	0.83
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	5	0.83
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	15	0.83
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	15	0.83
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	5	0.83
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	5	0.83
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	8	0.83
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	8	0.83
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	3	0.83
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	3	0.83
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	6	0.83
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	6	0.83
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	11	0.83
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	3	0.83
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	3	0.83
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	11	0.83
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	11	0.83
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	14	0.83
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	14	0.83
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	14	0.83
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD23	15	0.83
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD23	15	0.83
(1,956)	1:2:B:PRO:HA	1:6:B:HIS:HB3	14	0.83
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	11	0.83
(1,955)	1:2:A:PRO:HA	1:6:A:HIS:HB3	14	0.83
(1,912)	1:38:B:THR:HB	1:42:B:GLU:HB2	3	0.83
(1,911)	1:38:A:THR:HB	1:42:A:GLU:HB2	3	0.83
(1,878)	1:20:B:THR:HB	1:23:B:LEU:HB3	11	0.83
(1,877)	1:20:A:THR:HB	1:23:A:LEU:HB3	11	0.83
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	6	0.83
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD12	2	0.83
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD13	12	0.83
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD12	2	0.83
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD13	12	0.83
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD12	14	0.83
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD12	14	0.83
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	8	0.83
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	12	0.83
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	12	0.83
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD22	3	0.83
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD22	3	0.83
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	12	0.83
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	13	0.83
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	14	0.83
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	2	0.82
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	2	0.82
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	9	0.82
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	5	0.82
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	9	0.82
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE2	11	0.82
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB1	2	0.82
(2,4823)	1:8:A:LEU:HD12	1:60:B:LEU:H	4	0.82
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD11	12	0.82
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	2	0.82
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	2	0.82
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	6	0.82
(2,4228)	1:46:B:MET:HB3	1:48:B:PRO:HD2	6	0.82
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	15	0.82
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	15	0.82
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	13	0.82
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	15	0.82
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD13	3	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD13	3	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD13	9	0.82
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD12	10	0.82
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD11	9	0.82
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	5	0.82
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	13	0.82
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	5	0.82
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	13	0.82
(2,3495)	1:5:A:LEU:HD12	1:18:A:THR:HB	4	0.82
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	6	0.82
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG23	4	0.82
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG23	4	0.82
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	1	0.82
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	1	0.82
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG21	4	0.82
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	7	0.82
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	15	0.82
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	8	0.82
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	8	0.82
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	9	0.82
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	9	0.82
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	13	0.82
(1,3183)	1:69:A:GLU:HG2	1:66:B:THR:H	4	0.82
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD22	2	0.82
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	5	0.82
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	5	0.82
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD11	15	0.82
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	13	0.82
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	13	0.82
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	9	0.82
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	9	0.82
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD12	2	0.82
(1,2637)	1:55:A:LEU:HD11	1:54:A:LEU:HD23	8	0.82
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	14	0.82
(1,2608)	1:64:B:TYR:HB2	1:60:B:LEU:HD11	2	0.82
(1,2607)	1:64:A:TYR:HB2	1:60:A:LEU:HD11	2	0.82
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	2	0.82
(1,2570)	1:40:B:LEU:HD13	1:43:B:LEU:H	13	0.82
(1,2569)	1:40:A:LEU:HD11	1:41:A:ASN:H	12	0.82
(1,2569)	1:40:A:LEU:HD13	1:43:A:LEU:H	13	0.82
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	6	0.82
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	7	0.82
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	7	0.82
(1,2487)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	4	0.82
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	2	0.82
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	2	0.82
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	11	0.82
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE2	9	0.82
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE2	9	0.82
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	10	0.82
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD23	7	0.82
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD23	7	0.82
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	2	0.82
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	1	0.82
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	2	0.82
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	2	0.82
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	8	0.82
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	4	0.82
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	4	0.82
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	9	0.82
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD1	8	0.82
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD1	8	0.82
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	2	0.82
(1,1459)	1:11:A:ARG:HD2	1:64:B:TYR:H	2	0.82
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	4	0.82
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	7	0.82
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	4	0.82
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	7	0.82
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	11	0.82
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	4	0.82
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	4	0.82
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	2	0.82
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	2	0.82
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB1	2	0.81
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG23	2	0.81
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG23	2	0.81
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	15	0.81
(2,4760)	1:8:B:LEU:HD22	1:60:A:LEU:HA	2	0.81
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	5	0.81
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD12	15	0.81
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD12	5	0.81
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	13	0.81
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	2	0.81
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	13	0.81
(2,4627)	1:45:A:ILE:HG23	1:50:A:HIS:HE1	6	0.81
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	1	0.81
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	1	0.81
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	2	0.81
(2,4227)	1:46:A:MET:HB3	1:48:A:PRO:HD2	6	0.81
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	14	0.81
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG21	6	0.81
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	14	0.81
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	7	0.81
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	13	0.81
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	15	0.81
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD13	9	0.81
(2,3596)	1:35:B:LEU:HD21	1:43:B:LEU:HD12	11	0.81
(2,3595)	1:35:A:LEU:HD21	1:43:A:LEU:HD12	11	0.81
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD11	13	0.81
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD11	13	0.81
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	10	0.81
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	10	0.81
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	6	0.81
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG21	4	0.81
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	5	0.81
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	5	0.81
(2,1948)	1:58:B:ALA:HA	1:61:B:LEU:HB3	10	0.81
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	5	0.81
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	5	0.81
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	2	0.81
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	1	0.81
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	1	0.81
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	2	0.81
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	5	0.81
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	12	0.81
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	14	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	1	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	2	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	5	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	12	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	14	0.81
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	15	0.81
(1,3184)	1:69:B:GLU:HG2	1:66:A:THR:H	4	0.81
(1,3144)	1:12:B:ILE:HD12	1:60:A:LEU:HD11	8	0.81
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HG2	2	0.81
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	9	0.81
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	9	0.81
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD22	2	0.81
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	7	0.81
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	7	0.81
(1,3014)	1:35:B:LEU:HD22	1:32:B:PHE:HD2	1	0.81
(1,2780)	1:12:B:ILE:HG22	1:11:B:ARG:HA	14	0.81
(1,2779)	1:12:A:ILE:HG22	1:11:A:ARG:HA	14	0.81
(1,2757)	1:57:A:ALA:HB3	1:59:B:GLU:HB2	5	0.81
(1,2718)	1:52:B:ALA:HB1	1:55:B:LEU:HD23	15	0.81
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD12	2	0.81
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	13	0.81
(1,2638)	1:55:B:LEU:HD11	1:54:B:LEU:HD23	8	0.81
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG23	2	0.81
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG23	2	0.81
(1,2613)	1:20:A:THR:HG22	1:39:A:HIS:HB3	13	0.81
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	14	0.81
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	12	0.81
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	12	0.81
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	6	0.81
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	10	0.81
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD13	14	0.81
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD13	14	0.81
(1,2488)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	4	0.81
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	10	0.81
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	5	0.81
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	5	0.81
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	3	0.81
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	1	0.81
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	12	0.81
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	2	0.81
(1,1958)	1:50:B:HIS:HB3	1:51:B:ARG:HB2	15	0.81
(1,1957)	1:50:A:HIS:HB3	1:51:A:ARG:HB2	15	0.81
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	3	0.81
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	13	0.81
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	6	0.81
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	6	0.81
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	9	0.81
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	14	0.81
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD13	2	0.81
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	12	0.81
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	12	0.81
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	13	0.81
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	7	0.81
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	7	0.81
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	9	0.81
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	9	0.81
(1,1069)	1:30:A:GLU:HA	1:33:A:LYS:HG3	3	0.81
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	6	0.81
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD21	7	0.81
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	12	0.81
(1,748)	1:65:B:ASP:H	1:64:B:TYR:HD2	4	0.81
(1,747)	1:65:A:ASP:H	1:64:A:TYR:HD2	4	0.81
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	10	0.81
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	10	0.81
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	10	0.81
(1,410)	1:35:B:LEU:H	1:35:B:LEU:HD13	7	0.81
(1,409)	1:35:A:LEU:H	1:35:A:LEU:HD13	7	0.81
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	4	0.81
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	15	0.81
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD12	4	0.8
(2,4759)	1:8:A:LEU:HD22	1:60:B:LEU:HA	2	0.8
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD12	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4628)	1:45:B:ILE:HG23	1:50:B:HIS:HE1	6	0.8
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	5	0.8
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG21	6	0.8
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	10	0.8
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG22	13	0.8
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	10	0.8
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG22	13	0.8
(2,4018)	1:18:B:THR:HG21	1:6:B:HIS:HD2	3	0.8
(2,4017)	1:18:A:THR:HG21	1:6:A:HIS:HD2	3	0.8
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	7	0.8
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	7	0.8
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	9	0.8
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	9	0.8
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD11	8	0.8
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD11	8	0.8
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	2	0.8
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	2	0.8
(2,3603)	1:42:A:GLU:HB2	1:43:A:LEU:HD12	12	0.8
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	10	0.8
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	10	0.8
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	13	0.8
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	5	0.8
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	5	0.8
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD22	7	0.8
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD22	7	0.8
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	2	0.8
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG21	3	0.8
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	7	0.8
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	2	0.8
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	7	0.8
(2,2684)	1:7:B:GLU:HG2	1:4:B:THR:HG21	15	0.8
(2,2046)	1:44:B:ASN:HA	1:46:B:MET:HE3	3	0.8
(2,2045)	1:44:A:ASN:HA	1:46:A:MET:HE3	3	0.8
(2,1947)	1:58:A:ALA:HA	1:61:A:LEU:HB3	10	0.8
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	2	0.8
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	2	0.8
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	2	0.8
(2,1393)	1:28:A:THR:HB	1:30:A:GLU:HG3	15	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	1	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	3	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	6	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	9	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	11	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	13	0.8
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	15	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	3	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	6	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	7	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	9	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	11	0.8
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	13	0.8
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	1	0.8
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	1	0.8
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	4	0.8
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	4	0.8
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HG2	2	0.8
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	7	0.8
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	12	0.8
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	12	0.8
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD22	6	0.8
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	2	0.8
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	2	0.8
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD2	13	0.8
(1,3013)	1:35:A:LEU:HD22	1:32:A:PHE:HD2	1	0.8
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD2	13	0.8
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	13	0.8
(1,2920)	1:59:B:GLU:HB3	1:57:A:ALA:HB1	4	0.8
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	3	0.8
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	3	0.8
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	9	0.8
(1,2758)	1:57:B:ALA:HB3	1:59:A:GLU:HB2	5	0.8
(1,2717)	1:52:A:ALA:HB1	1:55:A:LEU:HD23	15	0.8
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	10	0.8
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	10	0.8
(1,2614)	1:20:B:THR:HG22	1:39:B:HIS:HB3	13	0.8
(1,2613)	1:20:A:THR:HG23	1:39:A:HIS:HB3	9	0.8
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	12	0.8
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD23	8	0.8
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD23	8	0.8
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	15	0.8
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	15	0.8
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	14	0.8
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE2	11	0.8
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE2	11	0.8
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	14	0.8
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	7	0.8
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	7	0.8
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD22	6	0.8
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD22	6	0.8
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	3	0.8
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	12	0.8
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	2	0.8
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	13	0.8
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	3	0.8
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	8	0.8
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD11	7	0.8
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD11	7	0.8
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	3	0.8
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	3	0.8
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	14	0.8
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD13	2	0.8
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	9	0.8
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	9	0.8
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	15	0.8
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	15	0.8
(1,1316)	1:44:B:ASN:HA	1:45:B:ILE:HB	6	0.8
(1,1315)	1:44:A:ASN:HA	1:45:A:ILE:HB	6	0.8
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	11	0.8
(1,1070)	1:30:B:GLU:HA	1:33:B:LYS:HG3	3	0.8
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	2	0.8
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	2	0.8
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	12	0.8
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	12	0.8
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	6	0.8
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD21	7	0.8
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	12	0.8
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD13	8	0.8
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD13	8	0.8
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	6	0.8
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	6	0.8
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD23	4	0.8
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD11	8	0.8
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD11	9	0.8
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD13	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD11	9	0.8
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	10	0.8
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	4	0.8
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD13	12	0.8
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD13	12	0.8
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	4	0.8
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	2	0.8
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	6	0.8
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	5	0.79
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD12	4	0.79
(2,4848)	1:52:B:ALA:HB1	1:49:A:GLN:H	15	0.79
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	5	0.79
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD11	6	0.79
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	14	0.79
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	5	0.79
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG23	10	0.79
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD22	1	0.79
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD22	1	0.79
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	7	0.79
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	9	0.79
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	14	0.79
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	15	0.79
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	9	0.79
(2,3604)	1:42:B:GLU:HB2	1:43:B:LEU:HD12	12	0.79
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	4	0.79
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	13	0.79
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	13	0.79
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	13	0.79
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	5	0.79
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	5	0.79
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	7	0.79
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG21	3	0.79
(2,2683)	1:7:A:GLU:HG2	1:4:A:THR:HG21	15	0.79
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	7	0.79
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	7	0.79
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	9	0.79
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	12	0.79
(2,1394)	1:28:B:THR:HB	1:30:B:GLU:HG3	15	0.79
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	13	0.79
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	12	0.79
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	12	0.79
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	8	0.79
(2,728)	1:39:B:HIS:H	1:39:B:HIS:HB3	10	0.79
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	8	0.79
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	10	0.79
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	7	0.79
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	7	0.79
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	4	0.79
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD13	7	0.79
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD13	7	0.79
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	9	0.79
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	4	0.79
(1,3052)	1:6:B:HIS:HD2	1:15:B:GLU:HB2	4	0.79
(1,3051)	1:6:A:HIS:HD2	1:15:A:GLU:HB2	4	0.79
(1,3044)	1:35:B:LEU:HD23	1:39:B:HIS:HD2	1	0.79
(1,3044)	1:35:B:LEU:HD22	1:39:B:HIS:HD2	3	0.79
(1,3043)	1:35:A:LEU:HD22	1:39:A:HIS:HD2	3	0.79
(1,2919)	1:59:A:GLU:HB3	1:57:B:ALA:HB1	4	0.79
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	9	0.79
(1,2742)	1:33:B:LYS:HB2	1:58:B:ALA:HB3	12	0.79
(1,2741)	1:33:A:LYS:HB2	1:58:A:ALA:HB3	12	0.79
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	1	0.79
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	13	0.79
(1,2678)	1:7:B:GLU:H	1:4:B:THR:HG22	8	0.79
(1,2638)	1:55:B:LEU:HD11	1:54:B:LEU:HD21	9	0.79
(1,2637)	1:55:A:LEU:HD11	1:54:A:LEU:HD21	9	0.79
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD11	7	0.79
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD11	7	0.79
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	5	0.79
(1,2614)	1:20:B:THR:HG23	1:39:B:HIS:HB3	9	0.79
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	4	0.79
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	6	0.79
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	4	0.79
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	6	0.79
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	12	0.79
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	8	0.79
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	8	0.79
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	8	0.79
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	8	0.79
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	13	0.79
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	13	0.79
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	14	0.79
(1,2338)	1:53:B:LYS:HG3	1:12:B:ILE:HA	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:53:A:LYS:HG3	1:12:A:ILE:HA	1	0.79
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD23	3	0.79
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD21	3	0.79
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	6	0.79
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	6	0.79
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	13	0.79
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	2	0.79
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	2	0.79
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	2	0.79
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	8	0.79
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	15	0.79
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	15	0.79
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	10	0.79
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	10	0.79
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD2	1	0.79
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	9	0.79
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD12	12	0.79
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD12	12	0.79
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	9	0.79
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	11	0.79
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	8	0.79
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	8	0.79
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	4	0.79
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	5	0.79
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	4	0.79
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	5	0.79
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	1	0.79
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD23	4	0.79
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	7	0.79
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	4	0.79
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	2	0.79
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	6	0.79
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	11	0.79
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	11	0.79
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	4	0.79
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	5	0.79
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	15	0.79
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	4	0.79
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	5	0.79
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	10	0.78
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD13	2	0.78
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD13	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4847)	1:52:A:ALA:HB1	1:49:B:GLN:H	15	0.78
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD13	8	0.78
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD13	1	0.78
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD13	7	0.78
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD11	11	0.78
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	13	0.78
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	14	0.78
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	6	0.78
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	14	0.78
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG23	10	0.78
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG23	10	0.78
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG23	10	0.78
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	8	0.78
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	8	0.78
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	11	0.78
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	14	0.78
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	2	0.78
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD13	11	0.78
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD13	11	0.78
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	4	0.78
(2,3496)	1:5:B:LEU:HD13	1:18:B:THR:HB	13	0.78
(2,3495)	1:5:A:LEU:HD13	1:18:A:THR:HB	13	0.78
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	1	0.78
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	3	0.78
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	8	0.78
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	3	0.78
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	8	0.78
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	9	0.78
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	10	0.78
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	7	0.78
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	10	0.78
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	9	0.78
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	12	0.78
(2,1478)	1:20:B:THR:HA	1:23:B:LEU:HB3	11	0.78
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	3	0.78
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	13	0.78
(2,727)	1:39:A:HIS:H	1:39:A:HIS:HB3	4	0.78
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	11	0.78
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	11	0.78
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	5	0.78
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD12	7	0.78
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD12	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	9	0.78
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	9	0.78
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD21	9	0.78
(1,3043)	1:35:A:LEU:HD23	1:39:A:HIS:HD2	1	0.78
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	9	0.78
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	9	0.78
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD1	4	0.78
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD1	4	0.78
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	13	0.78
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	6	0.78
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	6	0.78
(1,2790)	1:46:B:MET:HE3	1:41:B:ASN:H	2	0.78
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	10	0.78
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	10	0.78
(1,2747)	1:58:A:ALA:HB2	1:34:A:GLU:HG2	15	0.78
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	1	0.78
(1,2677)	1:7:A:GLU:H	1:4:A:THR:HG22	8	0.78
(1,2634)	1:14:B:LEU:HD11	1:54:B:LEU:HA	3	0.78
(1,2634)	1:14:B:LEU:HD12	1:54:B:LEU:HA	10	0.78
(1,2633)	1:14:A:LEU:HD11	1:54:A:LEU:HA	3	0.78
(1,2633)	1:14:A:LEU:HD12	1:54:A:LEU:HA	10	0.78
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	5	0.78
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG22	10	0.78
(1,2616)	1:20:B:THR:HG21	1:43:B:LEU:HA	15	0.78
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG22	10	0.78
(1,2615)	1:20:A:THR:HG21	1:43:A:LEU:HA	15	0.78
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD13	15	0.78
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD13	15	0.78
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	13	0.78
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD23	5	0.78
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	13	0.78
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	13	0.78
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD12	7	0.78
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD12	7	0.78
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	5	0.78
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	5	0.78
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD21	5	0.78
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD21	8	0.78
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	13	0.78
(1,1848)	1:38:B:THR:HA	1:42:B:GLU:HG2	15	0.78
(1,1847)	1:38:A:THR:HA	1:42:A:GLU:HG2	15	0.78
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	11	0.78
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD2	1	0.78
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD2	11	0.78
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD2	11	0.78
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	14	0.78
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	14	0.78
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	13	0.78
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	13	0.78
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	9	0.78
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	14	0.78
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	14	0.78
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	1	0.78
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	12	0.78
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD11	6	0.78
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD13	4	0.78
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD11	6	0.78
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	13	0.78
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	13	0.78
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	6	0.78
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	10	0.78
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	9	0.78
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	9	0.78
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	7	0.78
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	6	0.78
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	7	0.78
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	4	0.77
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	4	0.77
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	2	0.77
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	10	0.77
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG21	15	0.77
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	15	0.77
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD13	1	0.77
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	10	0.77
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	10	0.77
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	13	0.77
(2,4596)	1:14:B:LEU:HB2	1:17:B:HIS:HD2	2	0.77
(2,4595)	1:14:A:LEU:HB2	1:17:A:HIS:HD2	2	0.77
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	4	0.77
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	11	0.77
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	11	0.77
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	13	0.77
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	13	0.77
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	10	0.77
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	10	0.77
(2,3702)	1:61:B:LEU:HD22	1:60:A:LEU:HG	1	0.77
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	11	0.77
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	2	0.77
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD11	12	0.77
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD11	12	0.77
(2,3526)	1:35:B:LEU:HD22	1:9:B:LEU:HD12	7	0.77
(2,3525)	1:35:A:LEU:HD22	1:9:A:LEU:HD12	7	0.77
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	10	0.77
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	13	0.77
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	10	0.77
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	13	0.77
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	7	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	2	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	4	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	7	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	9	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	10	0.77
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	13	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	1	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	2	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	4	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	7	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	10	0.77
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	13	0.77
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	15	0.77
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	15	0.77
(2,2710)	1:30:B:GLU:H	1:30:B:GLU:HG2	11	0.77
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	1	0.77
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	4	0.77
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	11	0.77
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	11	0.77
(2,1477)	1:20:A:THR:HA	1:23:A:LEU:HB3	11	0.77
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	10	0.77
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	10	0.77
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	5	0.77
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	12	0.77
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	12	0.77
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	9	0.77
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:8:B:LEU:HD21	1:56:A:THR:HA	2	0.77
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD23	3	0.77
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD21	9	0.77
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD21	12	0.77
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	14	0.77
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	14	0.77
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	7	0.77
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	7	0.77
(1,2994)	1:64:B:TYR:HD2	1:65:A:ASP:H	7	0.77
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE1	11	0.77
(1,2789)	1:46:A:MET:HE3	1:41:A:ASN:H	2	0.77
(1,2748)	1:58:B:ALA:HB2	1:34:B:GLU:HG2	15	0.77
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG23	14	0.77
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	4	0.77
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	13	0.77
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	4	0.77
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD23	5	0.77
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	6	0.77
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	9	0.77
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	9	0.77
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	6	0.77
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD21	8	0.77
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD21	5	0.77
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	9	0.77
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	9	0.77
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	12	0.77
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	11	0.77
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	5	0.77
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	5	0.77
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD2	10	0.77
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD2	10	0.77
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	5	0.77
(1,1315)	1:44:A:ASN:HA	1:45:A:ILE:HB	5	0.77
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	3	0.77
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	3	0.77
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	7	0.77
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	7	0.77
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	9	0.77
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	14	0.77
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	3	0.77
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	7	0.77
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD21	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	12	0.77
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	7	0.77
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD13	4	0.77
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD11	5	0.77
(1,412)	1:35:B:LEU:H	1:55:B:LEU:HD11	9	0.77
(1,411)	1:35:A:LEU:H	1:55:A:LEU:HD11	9	0.77
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	10	0.77
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	1	0.77
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	1	0.77
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	2	0.76
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB2	12	0.76
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD13	7	0.76
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	6	0.76
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	4	0.76
(2,4046)	1:55:B:LEU:HD11	1:58:B:ALA:HB3	11	0.76
(2,4045)	1:55:A:LEU:HD11	1:58:A:ALA:HB3	11	0.76
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	7	0.76
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	7	0.76
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	10	0.76
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	10	0.76
(2,3701)	1:61:A:LEU:HD22	1:60:B:LEU:HG	1	0.76
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	3	0.76
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	3	0.76
(2,3526)	1:35:B:LEU:HD21	1:9:B:LEU:HD12	6	0.76
(2,3525)	1:35:A:LEU:HD21	1:9:A:LEU:HD12	6	0.76
(2,3496)	1:5:B:LEU:HD11	1:18:B:THR:HB	2	0.76
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	15	0.76
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	7	0.76
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	15	0.76
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD22	3	0.76
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD22	3	0.76
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	6	0.76
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	12	0.76
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	14	0.76
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	6	0.76
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	10	0.76
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG22	5	0.76
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	10	0.76
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	5	0.76
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	11	0.76
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	11	0.76
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	3	0.76
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	6	0.76
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	3	0.76
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	6	0.76
(2,2709)	1:30:A:GLU:H	1:30:A:GLU:HG2	11	0.76
(2,2442)	1:65:B:ASP:HB3	1:61:B:LEU:HA	10	0.76
(2,2441)	1:65:A:ASP:HB3	1:61:A:LEU:HA	10	0.76
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	1	0.76
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	3	0.76
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	4	0.76
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	14	0.76
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	3	0.76
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	14	0.76
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	5	0.76
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	3	0.76
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	4	0.76
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	6	0.76
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	11	0.76
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	4	0.76
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	6	0.76
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	11	0.76
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD13	4	0.76
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD13	4	0.76
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	5	0.76
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	4	0.76
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	4	0.76
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	1	0.76
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	2	0.76
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	8	0.76
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	13	0.76
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	1	0.76
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	2	0.76
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	8	0.76
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	13	0.76
(2,19)	1:49:A:GLN:HE22	1:52:B:ALA:HB1	15	0.76
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	13	0.76
(1,3150)	1:12:B:ILE:HD12	1:60:A:LEU:H	15	0.76
(1,3089)	1:8:A:LEU:HD21	1:56:B:THR:HA	2	0.76
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	8	0.76
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD2	8	0.76
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD2	8	0.76
(1,2993)	1:64:A:TYR:HD2	1:65:B:ASP:H	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE1	11	0.76
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD11	12	0.76
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	8	0.76
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	12	0.76
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	4	0.76
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG23	14	0.76
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	11	0.76
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	11	0.76
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD23	9	0.76
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD23	9	0.76
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	6	0.76
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	8	0.76
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	8	0.76
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	2	0.76
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	2	0.76
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	5	0.76
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	5	0.76
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD23	12	0.76
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	7	0.76
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	7	0.76
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	6	0.76
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	6	0.76
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	8	0.76
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	8	0.76
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	6	0.76
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	5	0.76
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	2	0.76
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	2	0.76
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	8	0.76
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	8	0.76
(1,1316)	1:44:B:ASN:HA	1:45:B:ILE:HB	5	0.76
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	10	0.76
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	12	0.76
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	12	0.76
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	14	0.76
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	2	0.76
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	2	0.76
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	7	0.76
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	3	0.76
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	11	0.76
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	15	0.76
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	14	0.76
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	15	0.76
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD11	5	0.76
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD11	7	0.76
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD11	7	0.76
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD23	14	0.76
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD23	14	0.76
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	10	0.76
(1,32)	1:59:B:GLU:H	1:57:A:ALA:HA	12	0.76
(1,31)	1:59:A:GLU:H	1:57:B:ALA:HA	12	0.76
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD11	12	0.75
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB2	12	0.75
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG21	15	0.75
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD13	8	0.75
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	10	0.75
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	8	0.75
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	8	0.75
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	6	0.75
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	7	0.75
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD2	13	0.75
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	8	0.75
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	8	0.75
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	8	0.75
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	8	0.75
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	8	0.75
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD21	7	0.75
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD21	7	0.75
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	15	0.75
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	15	0.75
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	15	0.75
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	6	0.75
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	6	0.75
(2,3495)	1:5:A:LEU:HD11	1:18:A:THR:HB	2	0.75
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD22	1	0.75
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	4	0.75
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD22	6	0.75
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD22	1	0.75
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	4	0.75
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD22	6	0.75
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	12	0.75
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	14	0.75
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG22	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	5	0.75
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	4	0.75
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	14	0.75
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	4	0.75
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	3	0.75
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	13	0.75
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	3	0.75
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	12	0.75
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	12	0.75
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	3	0.75
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	12	0.75
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	12	0.75
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	4	0.75
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	4	0.75
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	5	0.75
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	13	0.75
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	15	0.75
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	13	0.75
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	15	0.75
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	5	0.75
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	5	0.75
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	5	0.75
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	6	0.75
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	3	0.75
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	3	0.75
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	9	0.75
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	1	0.75
(1,3149)	1:12:A:ILE:HD12	1:60:B:LEU:H	15	0.75
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	8	0.75
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	9	0.75
(1,3081)	1:60:A:LEU:HD11	1:11:B:ARG:HB3	9	0.75
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD23	5	0.75
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD22	6	0.75
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD21	12	0.75
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	11	0.75
(1,2996)	1:64:B:TYR:HD2	1:61:A:LEU:HD22	15	0.75
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	1	0.75
(1,2822)	1:14:B:LEU:HB3	1:12:B:ILE:HD13	6	0.75
(1,2821)	1:14:A:LEU:HB3	1:12:A:ILE:HD13	6	0.75
(1,2758)	1:57:B:ALA:HB1	1:59:A:GLU:HB2	4	0.75
(1,2757)	1:57:A:ALA:HB1	1:59:B:GLU:HB2	4	0.75
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	1	0.75
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	12	0.75
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	4	0.75
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD22	10	0.75
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD23	1	0.75
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD23	1	0.75
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	9	0.75
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	6	0.75
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	6	0.75
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD23	2	0.75
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD22	4	0.75
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD22	9	0.75
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD23	12	0.75
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD23	2	0.75
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD22	9	0.75
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	4	0.75
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	4	0.75
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	2	0.75
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	9	0.75
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	9	0.75
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	2	0.75
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	2	0.75
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	15	0.75
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	10	0.75
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	10	0.75
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	10	0.75
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	7	0.75
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	3	0.75
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	6	0.75
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	3	0.75
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	6	0.75
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD12	11	0.75
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD12	11	0.75
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	15	0.75
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	15	0.75
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	9	0.75
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD13	8	0.75
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD13	8	0.75
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	3	0.75
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	3	0.75
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	11	0.75
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD21	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD23	13	0.75
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	14	0.75
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD23	5	0.75
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	6	0.75
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD23	13	0.75
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	10	0.75
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	10	0.75
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	7	0.75
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	7	0.75
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD23	13	0.75
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD23	13	0.75
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	10	0.75
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD11	9	0.74
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD11	9	0.74
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD13	5	0.74
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD12	8	0.74
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD13	5	0.74
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD12	9	0.74
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD11	12	0.74
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB1	9	0.74
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB1	14	0.74
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB1	9	0.74
(2,4825)	1:55:A:LEU:HD21	1:53:B:LYS:HE3	2	0.74
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	5	0.74
(2,4723)	1:52:A:ALA:HB3	1:49:B:GLN:HG3	7	0.74
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	10	0.74
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	7	0.74
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD2	13	0.74
(2,4359)	1:14:A:LEU:HD13	1:50:A:HIS:HE1	12	0.74
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	8	0.74
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG21	10	0.74
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG21	10	0.74
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	10	0.74
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	10	0.74
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	7	0.74
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	7	0.74
(2,3850)	1:43:B:LEU:HD22	1:21:B:LEU:H	9	0.74
(2,3849)	1:43:A:LEU:HD22	1:21:A:LEU:H	9	0.74
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	6	0.74
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	6	0.74
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	13	0.74
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	1	0.74
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	1	0.74
(2,3488)	1:61:B:LEU:HD11	1:32:B:PHE:HZ	15	0.74
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG23	9	0.74
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	13	0.74
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	3	0.74
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	7	0.74
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	12	0.74
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	12	0.74
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD13	15	0.74
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD13	15	0.74
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	6	0.74
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	8	0.74
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	13	0.74
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	6	0.74
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	8	0.74
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	13	0.74
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	5	0.74
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	5	0.74
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	8	0.74
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	8	0.74
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	9	0.74
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	9	0.74
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	3	0.74
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	11	0.74
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	13	0.74
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	14	0.74
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	15	0.74
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	3	0.74
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	11	0.74
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	13	0.74
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	14	0.74
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	15	0.74
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	6	0.74
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	10	0.74
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	10	0.74
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	9	0.74
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD11	3	0.74
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD13	10	0.74
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD13	10	0.74
(1,3150)	1:12:B:ILE:HD12	1:60:A:LEU:H	9	0.74
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	13	0.74
(1,3090)	1:8:B:LEU:HD22	1:56:A:THR:HA	3	0.74
(1,3089)	1:8:A:LEU:HD22	1:56:B:THR:HA	3	0.74
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD23	3	0.74
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	2	0.74
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	2	0.74
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	11	0.74
(1,2996)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	10	0.74
(1,2995)	1:64:A:TYR:HD2	1:61:B:LEU:HD22	15	0.74
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	1	0.74
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	13	0.74
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD13	9	0.74
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD13	9	0.74
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD12	14	0.74
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	1	0.74
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	8	0.74
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	1	0.74
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	1	0.74
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	5	0.74
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD21	5	0.74
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD21	5	0.74
(1,2504)	1:2:B:PRO:HD2	1:61:B:LEU:HD21	4	0.74
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD21	4	0.74
(1,2503)	1:2:A:PRO:HD2	1:61:A:LEU:HD22	10	0.74
(1,2480)	1:40:B:LEU:HD13	1:52:B:ALA:HA	7	0.74
(1,2479)	1:40:A:LEU:HD13	1:52:A:ALA:HA	7	0.74
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	7	0.74
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	7	0.74
(1,2350)	1:60:B:LEU:HD22	1:64:B:TYR:HE2	3	0.74
(1,2349)	1:60:A:LEU:HD22	1:64:A:TYR:HE2	3	0.74
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	8	0.74
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	8	0.74
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	9	0.74
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	6	0.74
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD22	4	0.74
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	3	0.74
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	8	0.74
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	8	0.74
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	2	0.74
(1,1692)	1:32:B:PHE:HB2	1:61:B:LEU:HB3	9	0.74
(1,1691)	1:32:A:PHE:HB2	1:61:A:LEU:HB3	9	0.74
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	3	0.74
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	3	0.74
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	5	0.74
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD12	14	0.74
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD12	14	0.74
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	5	0.74
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	7	0.74
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	5	0.74
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	4	0.74
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	10	0.74
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	12	0.74
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	4	0.74
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	10	0.74
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	12	0.74
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	3	0.74
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	3	0.74
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD23	7	0.74
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD23	15	0.74
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD23	15	0.74
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	7	0.74
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	9	0.74
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	13	0.74
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	8	0.74
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	8	0.74
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	14	0.74
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD11	2	0.74
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD11	2	0.74
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD13	6	0.74
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	4	0.74
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	9	0.74
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	15	0.74
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	8	0.74
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD12	1	0.74
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD12	11	0.74
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD11	13	0.74
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD12	1	0.74
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD11	13	0.74
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	10	0.74
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	10	0.74
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	14	0.74
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	14	0.74
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	1	0.74
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	6	0.74
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD12	9	0.73
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB1	14	0.73
(2,4826)	1:55:B:LEU:HD21	1:53:A:LYS:HE3	2	0.73
(2,4825)	1:55:A:LEU:HD21	1:53:B:LYS:HE3	14	0.73
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD11	11	0.73
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	9	0.73
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	9	0.73
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD1	8	0.73
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD1	8	0.73
(2,4360)	1:14:B:LEU:HD13	1:50:B:HIS:HE1	12	0.73
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	10	0.73
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	10	0.73
(2,4234)	1:51:B:ARG:HG2	1:17:B:HIS:HE1	14	0.73
(2,4233)	1:51:A:ARG:HG2	1:17:A:HIS:HE1	14	0.73
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG23	9	0.73
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	3	0.73
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	3	0.73
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	9	0.73
(2,3850)	1:43:B:LEU:HD21	1:21:B:LEU:H	3	0.73
(2,3849)	1:43:A:LEU:HD21	1:21:A:LEU:H	3	0.73
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD11	14	0.73
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD11	14	0.73
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	13	0.73
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	13	0.73
(2,3487)	1:61:A:LEU:HD13	1:32:A:PHE:HZ	11	0.73
(2,3487)	1:61:A:LEU:HD11	1:32:A:PHE:HZ	15	0.73
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	5	0.73
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	5	0.73
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	9	0.73
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG23	9	0.73
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG23	14	0.73
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	1	0.73
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	14	0.73
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	14	0.73
(2,2684)	1:7:B:GLU:HG2	1:4:B:THR:HG23	1	0.73
(2,2683)	1:7:A:GLU:HG2	1:4:A:THR:HG23	1	0.73
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	7	0.73
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	15	0.73
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	15	0.73
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG23	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	1	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	2	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	3	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	4	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	5	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	6	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	8	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	9	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	14	0.73
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	15	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	2	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	3	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	4	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	5	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	6	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	8	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	10	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	14	0.73
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	15	0.73
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	12	0.73
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	14	0.73
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD11	8	0.73
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD11	8	0.73
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	6	0.73
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	6	0.73
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	1	0.73
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	6	0.73
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	6	0.73
(2,834)	1:44:B:ASN:H	1:43:B:LEU:HG	1	0.73
(2,833)	1:44:A:ASN:H	1:43:A:LEU:HG	1	0.73
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	4	0.73
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	6	0.73
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	7	0.73
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	4	0.73
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	6	0.73
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	7	0.73
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	5	0.73
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	5	0.73
(2,20)	1:49:B:GLN:HE22	1:52:A:ALA:HB1	15	0.73
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD11	3	0.73
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	4	0.73
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	4	0.73
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	8	0.73
(1,3149)	1:12:A:ILE:HD12	1:60:B:LEU:H	9	0.73
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD23	5	0.73
(1,3013)	1:35:A:LEU:HD21	1:32:A:PHE:HD2	5	0.73
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD21	8	0.73
(1,2995)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	10	0.73
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	6	0.73
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	6	0.73
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	12	0.73
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	12	0.73
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	13	0.73
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	6	0.73
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	6	0.73
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD12	14	0.73
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	8	0.73
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	8	0.73
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	11	0.73
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	11	0.73
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG22	12	0.73
(1,2614)	1:20:B:THR:HG21	1:39:B:HIS:HB3	3	0.73
(1,2613)	1:20:A:THR:HG21	1:39:A:HIS:HB3	3	0.73
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	10	0.73
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	10	0.73
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD13	12	0.73
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD13	12	0.73
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	6	0.73
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	7	0.73
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	7	0.73
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD23	14	0.73
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	2	0.73
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	2	0.73
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	5	0.73
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	3	0.73
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	5	0.73
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	14	0.73
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	14	0.73
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	4	0.73
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	12	0.73
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	4	0.73
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	5	0.73
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	14	0.73
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	6	0.73
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	9	0.73
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	9	0.73
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD23	7	0.73
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	4	0.73
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	4	0.73
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	13	0.73
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	14	0.73
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	13	0.73
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD22	6	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	1	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD23	5	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD21	6	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	8	0.73
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	11	0.73
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	4	0.73
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	9	0.73
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	10	0.73
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD13	14	0.73
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD12	11	0.73
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD13	14	0.73
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	3	0.73
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	3	0.73
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB3	11	0.73
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	3	0.73
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	12	0.73
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	12	0.73
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	15	0.73
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	15	0.73
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	10	0.73
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	10	0.73
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD11	14	0.73
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	10	0.73
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	8	0.73
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	10	0.73
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	6	0.73
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	10	0.73
(2,4895)	1:61:A:LEU:HD13	1:64:B:TYR:HE1	12	0.72
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD11	10	0.72
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD12	8	0.72
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB2	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4826)	1:55:B:LEU:HD21	1:53:A:LYS:HE3	14	0.72
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG23	4	0.72
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	5	0.72
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	1	0.72
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	1	0.72
(2,4724)	1:52:B:ALA:HB3	1:49:A:GLN:HG3	7	0.72
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	5	0.72
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	5	0.72
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	8	0.72
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	8	0.72
(2,4638)	1:43:B:LEU:HD13	1:39:B:HIS:HD2	10	0.72
(2,4637)	1:43:A:LEU:HD13	1:39:A:HIS:HD2	10	0.72
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	8	0.72
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	8	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	1	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	3	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	5	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	11	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	14	0.72
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	15	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	1	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	3	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	5	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	11	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	14	0.72
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	15	0.72
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD11	4	0.72
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	4	0.72
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	4	0.72
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG23	14	0.72
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG22	15	0.72
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG22	15	0.72
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	1	0.72
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	8	0.72
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	8	0.72
(2,3936)	1:36:B:ARG:HD3	1:55:B:LEU:HD13	14	0.72
(2,3935)	1:36:A:ARG:HD3	1:55:A:LEU:HD13	14	0.72
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	9	0.72
(2,3760)	1:8:B:LEU:HB2	1:5:B:LEU:HD21	10	0.72
(2,3759)	1:8:A:LEU:HB2	1:5:A:LEU:HD21	10	0.72
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	6	0.72
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	4	0.72
(2,3488)	1:61:B:LEU:HD13	1:32:B:PHE:HZ	11	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	3	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD23	9	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	11	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	13	0.72
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	15	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	3	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD23	9	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	13	0.72
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	15	0.72
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	9	0.72
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD23	1	0.72
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD23	15	0.72
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD23	1	0.72
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD23	15	0.72
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG23	14	0.72
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	13	0.72
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	7	0.72
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	9	0.72
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	7	0.72
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	9	0.72
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	11	0.72
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	1	0.72
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG21	9	0.72
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG21	9	0.72
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG23	12	0.72
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	7	0.72
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	10	0.72
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	11	0.72
(2,2350)	1:23:B:LEU:H	1:23:B:LEU:HB3	13	0.72
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	1	0.72
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	7	0.72
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	9	0.72
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	11	0.72
(2,2349)	1:23:A:LEU:H	1:23:A:LEU:HB3	13	0.72
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	12	0.72
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	14	0.72
(2,2042)	1:44:B:ASN:HA	1:45:B:ILE:HD12	9	0.72
(2,2041)	1:44:A:ASN:HA	1:45:A:ILE:HD12	9	0.72
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	7	0.72
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	11	0.72
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	7	0.72
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	10	0.72
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	11	0.72
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	14	0.72
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	14	0.72
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	9	0.72
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	4	0.72
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	4	0.72
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	1	0.72
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	3	0.72
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	12	0.72
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	13	0.72
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	12	0.72
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	13	0.72
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	15	0.72
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	15	0.72
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	5	0.72
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	5	0.72
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	12	0.72
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	12	0.72
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	6	0.72
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	6	0.72
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	2	0.72
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	2	0.72
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	6	0.72
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	6	0.72
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	10	0.72
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD23	3	0.72
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	10	0.72
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD11	15	0.72
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	11	0.72
(1,3184)	1:69:B:GLU:HG2	1:66:A:THR:H	14	0.72
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	1	0.72
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	2	0.72
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	2	0.72
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	12	0.72
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HB3	14	0.72
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD23	15	0.72
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD23	15	0.72
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	1	0.72
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	2	0.72
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	2	0.72
(1,3014)	1:35:B:LEU:HD21	1:32:B:PHE:HD2	5	0.72
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD1	12	0.72
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD1	12	0.72
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	7	0.72
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	14	0.72
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	12	0.72
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	12	0.72
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD11	4	0.72
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD11	12	0.72
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD11	12	0.72
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	13	0.72
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	13	0.72
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG22	12	0.72
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	5	0.72
(1,2570)	1:40:B:LEU:HD13	1:43:B:LEU:H	1	0.72
(1,2570)	1:40:B:LEU:HD12	1:43:B:LEU:H	5	0.72
(1,2569)	1:40:A:LEU:HD13	1:43:A:LEU:H	1	0.72
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	14	0.72
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	14	0.72
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	4	0.72
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	3	0.72
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	4	0.72
(1,2318)	1:9:B:LEU:HD23	1:20:B:THR:HB	10	0.72
(1,2317)	1:9:A:LEU:HD23	1:20:A:THR:HB	10	0.72
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	13	0.72
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	13	0.72
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD23	10	0.72
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD23	14	0.72
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD21	1	0.72
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD23	10	0.72
(1,2193)	1:17:A:HIS:H	1:14:A:LEU:HD21	15	0.72
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	7	0.72
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	7	0.72
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	6	0.72
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	14	0.72
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	14	0.72
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	8	0.72
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	13	0.72
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	8	0.72
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	1	0.72
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	3	0.72
(1,1524)	1:53:B:LYS:HE2	1:53:B:LYS:HB2	5	0.72
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	10	0.72
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	1	0.72
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	3	0.72
(1,1523)	1:53:A:LYS:HE2	1:53:A:LYS:HB2	5	0.72
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	10	0.72
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	12	0.72
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	1	0.72
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	7	0.72
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	7	0.72
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	4	0.72
(1,1289)	1:57:A:ALA:HA	1:59:A:GLU:HG2	7	0.72
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	1	0.72
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	5	0.72
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	1	0.72
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	5	0.72
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	8	0.72
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	12	0.72
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	12	0.72
(1,975)	1:19:A:SER:HB2	1:22:A:LEU:HB2	8	0.72
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	7	0.72
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	8	0.72
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	8	0.72
(1,870)	1:66:B:THR:HB	1:29:B:LEU:HD13	15	0.72
(1,869)	1:66:A:THR:HB	1:29:A:LEU:HD13	15	0.72
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD2	15	0.72
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	13	0.72
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	1	0.72
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	12	0.72
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	1	0.72
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	12	0.72
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	10	0.72
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD21	1	0.72
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	12	0.72
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	12	0.72
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	2	0.72
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	12	0.72
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB3	11	0.72
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	3	0.72
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	10	0.72
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	2	0.72
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD23	13	0.72
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD23	8	0.72
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD11	14	0.72
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	8	0.72
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	10	0.72
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	8	0.71
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	12	0.71
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD11	10	0.71
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB2	4	0.71
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB3	13	0.71
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG23	2	0.71
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG23	4	0.71
(2,4736)	1:12:B:ILE:HG23	1:59:A:GLU:HB3	2	0.71
(2,4638)	1:43:B:LEU:HD13	1:39:B:HIS:HD2	15	0.71
(2,4637)	1:43:A:LEU:HD13	1:39:A:HIS:HD2	15	0.71
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	11	0.71
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	4	0.71
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	6	0.71
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	7	0.71
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	8	0.71
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	12	0.71
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	6	0.71
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	7	0.71
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	12	0.71
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	6	0.71
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	15	0.71
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD11	4	0.71
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	6	0.71
(2,4106)	1:44:B:ASN:HD21	1:46:B:MET:HE3	2	0.71
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG23	9	0.71
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG23	14	0.71
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	1	0.71
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	6	0.71
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD13	11	0.71
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	12	0.71
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	12	0.71
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD13	4	0.71
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD13	4	0.71
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD22	8	0.71
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD22	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	11	0.71
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	4	0.71
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	13	0.71
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	11	0.71
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	9	0.71
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	7	0.71
(2,1938)	1:3:B:LYS:HA	1:3:B:LYS:HD3	5	0.71
(2,1937)	1:3:A:LYS:HA	1:3:A:LYS:HD3	5	0.71
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	9	0.71
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	10	0.71
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	10	0.71
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	13	0.71
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	10	0.71
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	13	0.71
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	10	0.71
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	11	0.71
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	1	0.71
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	2	0.71
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	5	0.71
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	7	0.71
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	1	0.71
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	2	0.71
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	3	0.71
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	5	0.71
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	7	0.71
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	3	0.71
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	3	0.71
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	1	0.71
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	1	0.71
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	10	0.71
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	14	0.71
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	14	0.71
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD12	5	0.71
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD12	5	0.71
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	11	0.71
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD11	15	0.71
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	1	0.71
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	11	0.71
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	6	0.71
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HB3	14	0.71
(1,3090)	1:8:B:LEU:HD21	1:56:A:THR:HA	14	0.71
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD21	11	0.71
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	1	0.71
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	3	0.71
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	8	0.71
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	14	0.71
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	3	0.71
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD11	4	0.71
(1,2715)	1:52:A:ALA:HB3	1:12:B:ILE:HD11	13	0.71
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	6	0.71
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	8	0.71
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD11	2	0.71
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	10	0.71
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD11	2	0.71
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	10	0.71
(1,2615)	1:21:A:LEU:HA	1:20:A:THR:HG21	3	0.71
(1,2615)	1:20:A:THR:HG21	1:43:A:LEU:HA	13	0.71
(1,2569)	1:40:A:LEU:HD12	1:43:A:LEU:H	5	0.71
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	3	0.71
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	3	0.71
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	3	0.71
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	10	0.71
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	12	0.71
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	10	0.71
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	12	0.71
(1,2318)	1:9:B:LEU:HD23	1:20:B:THR:HB	7	0.71
(1,2317)	1:9:A:LEU:HD23	1:20:A:THR:HB	7	0.71
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	12	0.71
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	12	0.71
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	7	0.71
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	7	0.71
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD21	1	0.71
(1,2194)	1:17:B:HIS:H	1:14:B:LEU:HD21	15	0.71
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	10	0.71
(1,2046)	1:17:B:HIS:HB3	1:51:B:ARG:HA	14	0.71
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	10	0.71
(1,2045)	1:17:A:HIS:HB3	1:51:A:ARG:HA	14	0.71
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	6	0.71
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	14	0.71
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	15	0.71
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	14	0.71
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	15	0.71
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	8	0.71
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	8	0.71
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	9	0.71
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	9	0.71
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	5	0.71
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	5	0.71
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	7	0.71
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	9	0.71
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	7	0.71
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	9	0.71
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	13	0.71
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	13	0.71
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	1	0.71
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	12	0.71
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	12	0.71
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	4	0.71
(1,1290)	1:57:B:ALA:HA	1:59:B:GLU:HG2	7	0.71
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	14	0.71
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	13	0.71
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	14	0.71
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	8	0.71
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	12	0.71
(1,976)	1:19:B:SER:HB2	1:22:B:LEU:HB2	8	0.71
(1,975)	1:19:A:SER:HB2	1:22:A:LEU:HB2	7	0.71
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	12	0.71
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	4	0.71
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	4	0.71
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	11	0.71
(1,638)	1:58:B:ALA:H	1:60:A:LEU:HD22	1	0.71
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD22	2	0.71
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	2	0.71
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD23	3	0.71
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD12	10	0.71
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD12	10	0.71
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	2	0.71
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	5	0.71
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	5	0.71
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	9	0.71
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	13	0.71
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	13	0.71
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	8	0.71
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	2	0.71
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD23	8	0.71
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD23	13	0.71
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	10	0.7
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	10	0.7
(2,4908)	1:2:B:PRO:HG2	1:60:A:LEU:HD12	6	0.7
(2,4907)	1:2:A:PRO:HG2	1:60:B:LEU:HD12	6	0.7
(2,4896)	1:61:B:LEU:HD13	1:64:A:TYR:HE1	12	0.7
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD12	15	0.7
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD13	4	0.7
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD11	1	0.7
(2,4849)	1:56:A:THR:HG21	1:12:B:ILE:HD11	11	0.7
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB3	13	0.7
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG23	2	0.7
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	11	0.7
(2,4751)	1:60:A:LEU:HD13	1:11:B:ARG:HD3	3	0.7
(2,4735)	1:12:A:ILE:HG23	1:59:B:GLU:HB3	2	0.7
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	13	0.7
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	13	0.7
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	13	0.7
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	4	0.7
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	8	0.7
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	13	0.7
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	5	0.7
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	5	0.7
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	15	0.7
(2,4105)	1:44:A:ASN:HD21	1:46:A:MET:HE3	2	0.7
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	10	0.7
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	4	0.7
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	1	0.7
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD13	11	0.7
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	7	0.7
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	7	0.7
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	12	0.7
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	12	0.7
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	4	0.7
(2,3208)	1:30:B:GLU:H	1:30:B:GLU:HB3	15	0.7
(2,3207)	1:30:A:GLU:H	1:30:A:GLU:HB3	15	0.7
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG23	3	0.7
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	4	0.7
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	9	0.7
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	11	0.7
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	11	0.7
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD12	8	0.7
(2,1931)	1:27:A:GLN:HA	1:6:A:HIS:HB3	10	0.7
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD23	15	0.7
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD23	15	0.7
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	6	0.7
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	6	0.7
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	1	0.7
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	10	0.7
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	1	0.7
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	6	0.7
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	11	0.7
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	6	0.7
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	11	0.7
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	7	0.7
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	7	0.7
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	10	0.7
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	11	0.7
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	9	0.7
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	4	0.7
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	4	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	2	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	8	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	9	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	10	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	12	0.7
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	13	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	2	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	8	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	9	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	10	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	12	0.7
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	13	0.7
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	9	0.7
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	10	0.7
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	9	0.7
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	8	0.7
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	13	0.7
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	4	0.7
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	8	0.7
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	12	0.7
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	12	0.7
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD23	3	0.7
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	11	0.7
(1,3183)	1:69:A:GLU:HG2	1:66:B:THR:H	14	0.7
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	8	0.7
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	3	0.7
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	7	0.7
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	11	0.7
(1,3089)	1:8:A:LEU:HD21	1:56:B:THR:HA	14	0.7
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD23	7	0.7
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD21	8	0.7
(1,2994)	1:64:B:TYR:HD2	1:65:A:ASP:H	14	0.7
(1,2993)	1:64:A:TYR:HD2	1:65:B:ASP:H	14	0.7
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	13	0.7
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	13	0.7
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD11	13	0.7
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD11	13	0.7
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	7	0.7
(1,2786)	1:12:B:ILE:HG23	1:60:A:LEU:H	13	0.7
(1,2785)	1:12:A:ILE:HG23	1:60:B:LEU:H	13	0.7
(1,2760)	1:57:B:ALA:HB1	1:53:B:LYS:HE2	11	0.7
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	3	0.7
(1,2716)	1:52:B:ALA:HB3	1:12:A:ILE:HD11	13	0.7
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	6	0.7
(1,2642)	1:55:B:LEU:HD12	1:58:B:ALA:HB3	14	0.7
(1,2641)	1:55:A:LEU:HD12	1:58:A:ALA:HB3	14	0.7
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	6	0.7
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	8	0.7
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	6	0.7
(1,2616)	1:21:B:LEU:HA	1:20:B:THR:HG21	3	0.7
(1,2616)	1:20:B:THR:HG21	1:43:B:LEU:HA	13	0.7
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	13	0.7
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD13	8	0.7
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	13	0.7
(1,2542)	1:5:B:LEU:HD21	1:21:B:LEU:HB2	8	0.7
(1,2541)	1:5:A:LEU:HD21	1:21:A:LEU:HB2	8	0.7
(1,2446)	1:41:B:ASN:H	1:43:B:LEU:HD12	11	0.7
(1,2445)	1:41:A:ASN:H	1:43:A:LEU:HD12	11	0.7
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	8	0.7
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	8	0.7
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	1	0.7
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	1	0.7
(1,2214)	1:2:B:PRO:HG3	1:62:A:LEU:HB3	9	0.7
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD23	13	0.7
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD23	13	0.7
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	11	0.7
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	13	0.7
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	11	0.7
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	13	0.7
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	6	0.7
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	6	0.7
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	11	0.7
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	3	0.7
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	11	0.7
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	15	0.7
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	8	0.7
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	15	0.7
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	3	0.7
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	6	0.7
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	11	0.7
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD11	7	0.7
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	5	0.7
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	10	0.7
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	10	0.7
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	9	0.7
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	9	0.7
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	11	0.7
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	11	0.7
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	13	0.7
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	13	0.7
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	14	0.7
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	14	0.7
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	3	0.7
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	3	0.7
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD21	13	0.7
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD21	13	0.7
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	8	0.7
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	15	0.7
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	8	0.7
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	15	0.7
(1,976)	1:19:B:SER:HB2	1:22:B:LEU:HB2	7	0.7
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD22	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD22	8	0.7
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD2	15	0.7
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	2	0.7
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	4	0.7
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	2	0.7
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	4	0.7
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	11	0.7
(1,637)	1:58:A:ALA:H	1:60:B:LEU:HD22	1	0.7
(1,620)	1:57:B:ALA:H	1:60:A:LEU:HD23	3	0.7
(1,619)	1:57:A:ALA:H	1:60:B:LEU:HD22	11	0.7
(1,561)	1:53:A:LYS:H	1:54:A:LEU:HD13	3	0.7
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD21	5	0.7
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD21	5	0.7
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	12	0.7
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	12	0.7
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	12	0.7
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	9	0.7
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	7	0.7
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	7	0.7
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	12	0.69
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD11	1	0.69
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD13	4	0.69
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	12	0.69
(2,4752)	1:60:B:LEU:HD13	1:11:A:ARG:HD3	3	0.69
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	11	0.69
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	15	0.69
(2,4716)	1:64:B:TYR:HD1	1:8:A:LEU:HD11	14	0.69
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	3	0.69
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	3	0.69
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	12	0.69
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	12	0.69
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	14	0.69
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	14	0.69
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	7	0.69
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD1	10	0.69
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD1	10	0.69
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	9	0.69
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	10	0.69
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	4	0.69
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	1	0.69
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD22	14	0.69
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD22	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	1	0.69
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	1	0.69
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD13	10	0.69
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD13	10	0.69
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD1	7	0.69
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD1	7	0.69
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD11	9	0.69
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD11	9	0.69
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	14	0.69
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	14	0.69
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG23	3	0.69
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	12	0.69
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	12	0.69
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	4	0.69
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG23	15	0.69
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG23	15	0.69
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	12	0.69
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	12	0.69
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD12	8	0.69
(2,1932)	1:27:B:GLN:HA	1:6:B:HIS:HB3	10	0.69
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	7	0.69
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	7	0.69
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD22	14	0.69
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD22	14	0.69
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	6	0.69
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	6	0.69
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	4	0.69
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	4	0.69
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	5	0.69
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	7	0.69
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	9	0.69
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	15	0.69
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	1	0.69
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	5	0.69
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	7	0.69
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	9	0.69
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	15	0.69
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	15	0.69
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG23	15	0.69
(2,1308)	1:20:B:THR:H	1:19:B:SER:HB3	10	0.69
(2,1307)	1:20:A:THR:H	1:19:A:SER:HB3	10	0.69
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	7	0.69
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD23	11	0.69
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	7	0.69
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD23	11	0.69
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	14	0.69
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	14	0.69
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	1	0.69
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	1	0.69
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	5	0.69
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	5	0.69
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	4	0.69
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	4	0.69
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	4	0.69
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD13	6	0.69
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	3	0.69
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	11	0.69
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	11	0.69
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	15	0.69
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD23	7	0.69
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	14	0.69
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	14	0.69
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	4	0.69
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	4	0.69
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD22	3	0.69
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	8	0.69
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	6	0.69
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	6	0.69
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	4	0.69
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	4	0.69
(1,2831)	1:12:A:ILE:HD13	1:8:A:LEU:H	13	0.69
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	3	0.69
(1,2760)	1:57:B:ALA:HB3	1:53:B:LYS:HE2	6	0.69
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	7	0.69
(1,2760)	1:57:B:ALA:HB1	1:53:B:LYS:HE2	8	0.69
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	3	0.69
(1,2759)	1:57:A:ALA:HB3	1:53:A:LYS:HE2	6	0.69
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	7	0.69
(1,2759)	1:57:A:ALA:HB1	1:53:A:LYS:HE2	11	0.69
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	4	0.69
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	4	0.69
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	8	0.69
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD13	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD12	6	0.69
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD13	8	0.69
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD13	5	0.69
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD12	6	0.69
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	13	0.69
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	13	0.69
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	11	0.69
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	14	0.69
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD23	10	0.69
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD23	10	0.69
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD23	10	0.69
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD23	10	0.69
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	13	0.69
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	13	0.69
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	9	0.69
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	14	0.69
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	9	0.69
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	14	0.69
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	11	0.69
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	11	0.69
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	15	0.69
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	3	0.69
(1,2193)	1:52:A:ALA:H	1:14:A:LEU:HD22	11	0.69
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	7	0.69
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	7	0.69
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	1	0.69
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	1	0.69
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	12	0.69
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD21	5	0.69
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD21	5	0.69
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	3	0.69
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	12	0.69
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	12	0.69
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	3	0.69
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	3	0.69
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	8	0.69
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	8	0.69
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	3	0.69
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	5	0.69
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	2	0.69
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	14	0.69
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	11	0.69
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	14	0.69
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	1	0.69
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD11	7	0.69
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	5	0.69
(1,1459)	1:11:A:ARG:HD2	1:64:B:TYR:H	12	0.69
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	14	0.69
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	13	0.69
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD13	15	0.69
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD13	15	0.69
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	4	0.69
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	5	0.69
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	5	0.69
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	4	0.69
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	3	0.69
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	3	0.69
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	2	0.69
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	2	0.69
(1,852)	1:45:B:ILE:H	1:43:B:LEU:HG	11	0.69
(1,851)	1:45:A:ILE:H	1:43:A:LEU:HG	11	0.69
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	6	0.69
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HB3	9	0.69
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	6	0.69
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HB3	9	0.69
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	3	0.69
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	8	0.69
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	3	0.69
(1,562)	1:53:B:LYS:H	1:54:B:LEU:HD13	3	0.69
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	12	0.69
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	12	0.69
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	6	0.69
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	6	0.69
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	13	0.69
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	8	0.68
(2,4850)	1:56:B:THR:HG21	1:12:A:ILE:HD11	11	0.68
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	15	0.68
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	3	0.68
(2,4715)	1:64:A:TYR:HD1	1:8:B:LEU:HD11	14	0.68
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	7	0.68
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	7	0.68
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	1	0.68
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	15	0.68
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	11	0.68
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	11	0.68
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG21	4	0.68
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	9	0.68
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG23	15	0.68
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	1	0.68
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG21	4	0.68
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	9	0.68
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	12	0.68
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG23	15	0.68
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	7	0.68
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	9	0.68
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG23	6	0.68
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	9	0.68
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD22	13	0.68
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD22	13	0.68
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD21	8	0.68
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD21	8	0.68
(2,3702)	1:61:B:LEU:HD21	1:60:A:LEU:HG	3	0.68
(2,3701)	1:61:A:LEU:HD21	1:60:B:LEU:HG	3	0.68
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	6	0.68
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	6	0.68
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD23	2	0.68
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD21	10	0.68
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD23	2	0.68
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD21	10	0.68
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	5	0.68
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	5	0.68
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	8	0.68
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	13	0.68
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	9	0.68
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	9	0.68
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	6	0.68
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	14	0.68
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	4	0.68
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	6	0.68
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	14	0.68
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	6	0.68
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	6	0.68
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	8	0.68
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD22	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	8	0.68
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD22	9	0.68
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD11	4	0.68
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD13	15	0.68
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD13	15	0.68
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	3	0.68
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	7	0.68
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	8	0.68
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	3	0.68
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	8	0.68
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	1	0.68
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	2	0.68
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	3	0.68
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	8	0.68
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	2	0.68
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	3	0.68
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	8	0.68
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	12	0.68
(2,1396)	1:28:B:THR:HB	1:30:B:GLU:HB3	15	0.68
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG23	15	0.68
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	4	0.68
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	13	0.68
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	4	0.68
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	13	0.68
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	10	0.68
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	10	0.68
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	7	0.68
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	7	0.68
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	2	0.68
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	7	0.68
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	8	0.68
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	9	0.68
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	7	0.68
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	8	0.68
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	9	0.68
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	14	0.68
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	14	0.68
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	6	0.68
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD13	6	0.68
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	7	0.68
(1,3170)	1:11:B:ARG:HB3	1:59:A:GLU:HB2	14	0.68
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	10	0.68
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	14	0.68
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	12	0.68
(1,2832)	1:12:B:ILE:HD13	1:8:B:LEU:H	13	0.68
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	2	0.68
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	3	0.68
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	3	0.68
(1,2760)	1:57:B:ALA:HB3	1:53:B:LYS:HE2	5	0.68
(1,2759)	1:57:A:ALA:HB3	1:53:A:LYS:HE2	5	0.68
(1,2759)	1:57:A:ALA:HB1	1:53:A:LYS:HE2	8	0.68
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	5	0.68
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	5	0.68
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	14	0.68
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	8	0.68
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	14	0.68
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	14	0.68
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	12	0.68
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD21	3	0.68
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	14	0.68
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	11	0.68
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	5	0.68
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD13	14	0.68
(1,2368)	1:14:B:LEU:HG	1:53:B:LYS:HA	9	0.68
(1,2367)	1:14:A:LEU:HG	1:53:A:LYS:HA	9	0.68
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE2	8	0.68
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE2	8	0.68
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	11	0.68
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	11	0.68
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	15	0.68
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	8	0.68
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	3	0.68
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	4	0.68
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	4	0.68
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	4	0.68
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	4	0.68
(1,2213)	1:2:A:PRO:HG3	1:62:B:LEU:HB3	9	0.68
(1,2194)	1:52:B:ALA:H	1:14:B:LEU:HD22	11	0.68
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	4	0.68
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	12	0.68
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	4	0.68
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	4	0.68
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	6	0.68
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	12	0.68
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	12	0.68
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	4	0.68
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	4	0.68
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	13	0.68
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	13	0.68
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	15	0.68
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	15	0.68
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	7	0.68
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	5	0.68
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	8	0.68
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	13	0.68
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	8	0.68
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	13	0.68
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	1	0.68
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD22	11	0.68
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD22	11	0.68
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	6	0.68
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	14	0.68
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	3	0.68
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	9	0.68
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	11	0.68
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	15	0.68
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	9	0.68
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	11	0.68
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	15	0.68
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	4	0.68
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	5	0.68
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	5	0.68
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	4	0.68
(1,971)	1:19:A:SER:HB2	1:22:A:LEU:HD22	6	0.68
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	12	0.68
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	12	0.68
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	12	0.68
(1,688)	1:61:B:LEU:H	1:64:A:TYR:HB3	13	0.68
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	6	0.68
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	12	0.68
(1,687)	1:61:A:LEU:H	1:64:B:TYR:HB3	13	0.68
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	5	0.68
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	7	0.68
(1,664)	1:59:B:GLU:H	1:59:B:GLU:HG3	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	5	0.68
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	7	0.68
(1,663)	1:59:A:GLU:H	1:59:A:GLU:HG3	10	0.68
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	4	0.68
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	4	0.68
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	9	0.68
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	11	0.68
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	11	0.68
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	13	0.68
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	7	0.68
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	12	0.68
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	1	0.67
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	1	0.67
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	1	0.67
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE2	9	0.67
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG22	9	0.67
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG22	9	0.67
(2,4742)	1:12:B:ILE:HG23	1:60:A:LEU:H	13	0.67
(2,4741)	1:12:A:ILE:HG23	1:60:B:LEU:H	13	0.67
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	3	0.67
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	8	0.67
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	1	0.67
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	1	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	1	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	2	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	5	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	6	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	7	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG23	8	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG23	10	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	11	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	12	0.67
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG21	13	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	2	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	5	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	6	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	7	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG23	8	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG23	10	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	11	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG21	13	0.67
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG21	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	12	0.67
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	12	0.67
(2,4294)	1:8:B:LEU:HD12	1:2:B:PRO:HG2	14	0.67
(2,4293)	1:8:A:LEU:HD12	1:2:A:PRO:HG2	14	0.67
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	11	0.67
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	2	0.67
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	2	0.67
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	1	0.67
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	1	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	2	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG23	3	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG23	6	0.67
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	11	0.67
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	11	0.67
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD12	14	0.67
(2,3596)	1:35:B:LEU:HD23	1:43:B:LEU:HD11	5	0.67
(2,3595)	1:35:A:LEU:HD23	1:43:A:LEU:HD11	5	0.67
(2,3440)	1:21:B:LEU:HB3	1:21:B:LEU:HD23	12	0.67
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	2	0.67
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	2	0.67
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	15	0.67
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	10	0.67
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	13	0.67
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	8	0.67
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	10	0.67
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	3	0.67
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	4	0.67
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	7	0.67
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	3	0.67
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	7	0.67
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	8	0.67
(2,2684)	1:7:B:GLU:HG2	1:4:B:THR:HG23	13	0.67
(2,2683)	1:7:A:GLU:HG2	1:4:A:THR:HG23	13	0.67
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD11	4	0.67
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	1	0.67
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	9	0.67
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	7	0.67
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	9	0.67
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	14	0.67
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	14	0.67
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	12	0.67
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	11	0.67
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	15	0.67
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	11	0.67
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD23	14	0.67
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD23	14	0.67
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	2	0.67
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	2	0.67
(2,648)	1:34:B:GLU:H	1:34:B:GLU:HB3	8	0.67
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	2	0.67
(2,647)	1:34:A:GLU:H	1:34:A:GLU:HB3	8	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	1	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	2	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	4	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	5	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	12	0.67
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	14	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	1	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	2	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	4	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	5	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	12	0.67
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	14	0.67
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	6	0.67
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	14	0.67
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	6	0.67
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	14	0.67
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	4	0.67
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	11	0.67
(1,3169)	1:11:A:ARG:HB3	1:59:B:GLU:HB2	14	0.67
(1,3150)	1:12:B:ILE:HD13	1:60:A:LEU:H	7	0.67
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	10	0.67
(1,3149)	1:12:A:ILE:HD12	1:60:B:LEU:H	8	0.67
(1,3149)	1:12:A:ILE:HD11	1:60:B:LEU:H	11	0.67
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD11	7	0.67
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD23	8	0.67
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD21	11	0.67
(1,3058)	1:10:B:GLU:HG2	1:6:B:HIS:HE1	14	0.67
(1,3050)	1:6:B:HIS:HD2	1:8:B:LEU:HB3	12	0.67
(1,3049)	1:6:A:HIS:HD2	1:8:A:LEU:HB3	12	0.67
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	6	0.67
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	12	0.67
(1,2996)	1:60:B:LEU:HD13	1:64:B:TYR:HD1	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:60:A:LEU:HD13	1:64:A:TYR:HD1	5	0.67
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	3	0.67
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	3	0.67
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	8	0.67
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	2	0.67
(1,2788)	1:46:B:MET:HE3	1:46:B:MET:H	12	0.67
(1,2787)	1:46:A:MET:HE3	1:46:A:MET:H	12	0.67
(1,2759)	1:57:A:ALA:HB3	1:53:A:LYS:HE2	2	0.67
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	14	0.67
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD12	14	0.67
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD12	14	0.67
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD13	12	0.67
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	1	0.67
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	12	0.67
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD21	3	0.67
(1,2578)	1:43:B:LEU:HD23	1:20:B:THR:HA	7	0.67
(1,2577)	1:43:A:LEU:HD23	1:20:A:THR:HA	7	0.67
(1,2499)	1:61:A:LEU:HD23	1:64:B:TYR:HB3	10	0.67
(1,2494)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	7	0.67
(1,2493)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	7	0.67
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD13	14	0.67
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	2	0.67
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	2	0.67
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	3	0.67
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	6	0.67
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	7	0.67
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	10	0.67
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	6	0.67
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	6	0.67
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	6	0.67
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	14	0.67
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	14	0.67
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	8	0.67
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	8	0.67
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	2	0.67
(1,1468)	1:35:B:LEU:HB2	1:43:B:LEU:HD13	10	0.67
(1,1467)	1:35:A:LEU:HB2	1:43:A:LEU:HD13	10	0.67
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	12	0.67
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	3	0.67
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	3	0.67
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD22	14	0.67
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD22	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	1	0.67
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	1	0.67
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG23	6	0.67
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	14	0.67
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	14	0.67
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	3	0.67
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	5	0.67
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	5	0.67
(1,972)	1:19:B:SER:HB2	1:22:B:LEU:HD22	6	0.67
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD2	5	0.67
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	6	0.67
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	8	0.67
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	8	0.67
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	8	0.67
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	2	0.67
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	2	0.67
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	7	0.67
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	7	0.67
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	2	0.67
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	9	0.67
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	3	0.67
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	14	0.67
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	14	0.67
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	6	0.67
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	7	0.67
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	12	0.67
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	6	0.66
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	6	0.66
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	1	0.66
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD12	15	0.66
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB1	3	0.66
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	12	0.66
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE2	9	0.66
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG22	8	0.66
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	1	0.66
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	4	0.66
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	4	0.66
(2,4725)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	10	0.66
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	9	0.66
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	9	0.66
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	1	0.66
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG22	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4396)	1:12:B:ILE:HG13	1:12:B:ILE:HG21	14	0.66
(2,4395)	1:12:A:ILE:HG13	1:12:A:ILE:HG22	3	0.66
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	2	0.66
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	2	0.66
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB2	13	0.66
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB2	13	0.66
(2,4256)	1:59:B:GLU:H	1:59:B:GLU:HB3	9	0.66
(2,4255)	1:59:A:GLU:H	1:59:A:GLU:HB3	9	0.66
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	5	0.66
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	7	0.66
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	7	0.66
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	12	0.66
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG23	3	0.66
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	12	0.66
(2,4004)	1:9:B:LEU:HD22	1:18:B:THR:HG23	6	0.66
(2,4003)	1:9:A:LEU:HD22	1:18:A:THR:HG23	6	0.66
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	9	0.66
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD12	14	0.66
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	9	0.66
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	8	0.66
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	8	0.66
(2,3596)	1:35:B:LEU:HD21	1:43:B:LEU:HD11	1	0.66
(2,3596)	1:35:B:LEU:HD21	1:43:B:LEU:HD11	6	0.66
(2,3595)	1:35:A:LEU:HD21	1:43:A:LEU:HD11	1	0.66
(2,3595)	1:35:A:LEU:HD21	1:43:A:LEU:HD11	6	0.66
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE1	8	0.66
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE1	14	0.66
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE1	8	0.66
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD21	11	0.66
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD21	11	0.66
(2,3439)	1:21:A:LEU:HB3	1:21:A:LEU:HD23	12	0.66
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	15	0.66
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	5	0.66
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	5	0.66
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	2	0.66
(2,2818)	1:27:B:GLN:HG3	1:28:B:THR:HG22	1	0.66
(2,2817)	1:27:A:GLN:HG3	1:28:A:THR:HG22	1	0.66
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	2	0.66
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	2	0.66
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	8	0.66
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	10	0.66
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	15	0.66
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	10	0.66
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	13	0.66
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	10	0.66
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	10	0.66
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	10	0.66
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	14	0.66
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	14	0.66
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD11	6	0.66
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD11	6	0.66
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	1	0.66
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	10	0.66
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	12	0.66
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	12	0.66
(2,1395)	1:28:A:THR:HB	1:30:A:GLU:HB3	12	0.66
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	14	0.66
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	14	0.66
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	15	0.66
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	10	0.66
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	10	0.66
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	2	0.66
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	2	0.66
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	3	0.66
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	6	0.66
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	11	0.66
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	13	0.66
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	15	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	3	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	6	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	10	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	11	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	13	0.66
(2,623)	1:33:A:LYS:H	1:33:A:LYS:HB2	15	0.66
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	7	0.66
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	7	0.66
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD22	13	0.66
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	4	0.66
(1,3150)	1:12:B:ILE:HD11	1:60:A:LEU:H	6	0.66
(1,3149)	1:12:A:ILE:HD13	1:60:B:LEU:H	7	0.66
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD23	1	0.66
(1,3057)	1:10:A:GLU:HG2	1:6:A:HIS:HE1	14	0.66
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	1	0.66
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	1	0.66
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD22	3	0.66
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	3	0.66
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	8	0.66
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	8	0.66
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	8	0.66
(1,2760)	1:57:B:ALA:HB3	1:53:B:LYS:HE2	2	0.66
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD13	3	0.66
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	13	0.66
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	7	0.66
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	13	0.66
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD11	3	0.66
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD13	5	0.66
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD11	9	0.66
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD11	3	0.66
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD13	5	0.66
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD11	9	0.66
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	4	0.66
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD13	12	0.66
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	9	0.66
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	9	0.66
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	1	0.66
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	15	0.66
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	15	0.66
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	5	0.66
(1,2500)	1:61:B:LEU:HD23	1:64:A:TYR:HB3	10	0.66
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	14	0.66
(1,2490)	1:35:B:LEU:HD13	1:40:B:LEU:HG	10	0.66
(1,2489)	1:35:A:LEU:HD13	1:40:A:LEU:HG	10	0.66
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD12	15	0.66
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD12	15	0.66
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE2	13	0.66
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE2	13	0.66
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	11	0.66
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	1	0.66
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	1	0.66
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	3	0.66
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	8	0.66
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	6	0.66
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	9	0.66
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	9	0.66
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	14	0.66
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	10	0.66
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	10	0.66
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	4	0.66
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	8	0.66
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	7	0.66
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	15	0.66
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	15	0.66
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	10	0.66
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	10	0.66
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	10	0.66
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	7	0.66
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	15	0.66
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	15	0.66
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	13	0.66
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	13	0.66
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	10	0.66
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	7	0.66
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB3	1	0.66
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB3	1	0.66
(1,1524)	1:53:B:LYS:HE2	1:53:B:LYS:HB2	6	0.66
(1,1524)	1:53:B:LYS:HE3	1:53:B:LYS:HG3	15	0.66
(1,1523)	1:53:A:LYS:HE2	1:53:A:LYS:HB2	6	0.66
(1,1523)	1:53:A:LYS:HE3	1:53:A:LYS:HG3	15	0.66
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	15	0.66
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	2	0.66
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	3	0.66
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	4	0.66
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD22	13	0.66
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD22	13	0.66
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG23	6	0.66
(1,1289)	1:57:A:ALA:HA	1:59:A:GLU:HG2	10	0.66
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	14	0.66
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	14	0.66
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB3	8	0.66
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	8	0.66
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	6	0.66
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	6	0.66
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	2	0.66
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	7	0.66
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD2	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	5	0.66
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD12	9	0.66
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD12	9	0.66
(1,562)	1:53:B:LYS:H	1:12:B:ILE:HD13	15	0.66
(1,561)	1:53:A:LYS:H	1:12:A:ILE:HD13	15	0.66
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	8	0.66
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	8	0.66
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	13	0.66
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	13	0.66
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	2	0.66
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD11	4	0.66
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD11	4	0.66
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	5	0.66
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	5	0.66
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	3	0.66
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	6	0.66
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	13	0.65
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD13	8	0.65
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD11	14	0.65
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB1	3	0.65
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	7	0.65
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	1	0.65
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD2	4	0.65
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	8	0.65
(2,4726)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	10	0.65
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	3	0.65
(2,4478)	1:18:B:THR:HG22	1:4:B:THR:HB	14	0.65
(2,4477)	1:18:A:THR:HG21	1:4:A:THR:HB	3	0.65
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	14	0.65
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	12	0.65
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	5	0.65
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	7	0.65
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	2	0.65
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	7	0.65
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG23	3	0.65
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	9	0.65
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	3	0.65
(2,3850)	1:43:B:LEU:HD22	1:21:B:LEU:H	13	0.65
(2,3849)	1:43:A:LEU:HD22	1:21:A:LEU:H	13	0.65
(2,3701)	1:61:A:LEU:HD23	1:60:B:LEU:HG	6	0.65
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE1	14	0.65
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD12	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD12	9	0.65
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	8	0.65
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	8	0.65
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	8	0.65
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	2	0.65
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	8	0.65
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	8	0.65
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	15	0.65
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	12	0.65
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	10	0.65
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	14	0.65
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	4	0.65
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	10	0.65
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD13	14	0.65
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD13	14	0.65
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	3	0.65
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	8	0.65
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	3	0.65
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	8	0.65
(2,1270)	1:44:B:ASN:HD22	1:45:B:ILE:HA	3	0.65
(2,1269)	1:44:A:ASN:HD22	1:45:A:ILE:HA	3	0.65
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	9	0.65
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	9	0.65
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	15	0.65
(2,624)	1:33:B:LYS:H	1:33:B:LYS:HB2	10	0.65
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	9	0.65
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	9	0.65
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD12	15	0.65
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD22	13	0.65
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	14	0.65
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	15	0.65
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	1	0.65
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	14	0.65
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	15	0.65
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	2	0.65
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	2	0.65
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	6	0.65
(1,3149)	1:12:A:ILE:HD12	1:60:B:LEU:H	3	0.65
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD23	1	0.65
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	6	0.65
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	6	0.65
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	14	0.65
(1,3013)	1:35:A:LEU:HD22	1:32:A:PHE:HD1	11	0.65
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD21	9	0.65
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	3	0.65
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	11	0.65
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	7	0.65
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	7	0.65
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	15	0.65
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	15	0.65
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	5	0.65
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD13	3	0.65
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	7	0.65
(1,2633)	1:14:A:LEU:HD13	1:54:A:LEU:HA	9	0.65
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	4	0.65
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	2	0.65
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	11	0.65
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	8	0.65
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	8	0.65
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	7	0.65
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	14	0.65
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	11	0.65
(1,2317)	1:9:A:LEU:HD23	1:20:A:THR:HB	2	0.65
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD12	15	0.65
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	4	0.65
(1,2158)	1:6:B:HIS:HB2	1:7:B:GLU:HB2	8	0.65
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	8	0.65
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	1	0.65
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	1	0.65
(1,1753)	1:64:A:TYR:HB3	1:61:B:LEU:HA	11	0.65
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	7	0.65
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	1	0.65
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	14	0.65
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	1	0.65
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	14	0.65
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	1	0.65
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	1	0.65
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	11	0.65
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	8	0.65
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	10	0.65
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	11	0.65
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	11	0.65
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	15	0.65
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	3	0.65
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	11	0.65
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	1	0.65
(1,1290)	1:57:B:ALA:HA	1:59:B:GLU:HG2	10	0.65
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	1	0.65
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	9	0.65
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	2	0.65
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	2	0.65
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	13	0.65
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	13	0.65
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	7	0.65
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	7	0.65
(1,1068)	1:30:B:GLU:HA	1:61:B:LEU:HD22	8	0.65
(1,1067)	1:30:A:GLU:HA	1:61:A:LEU:HD22	8	0.65
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	4	0.65
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	2	0.65
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	4	0.65
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	7	0.65
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	10	0.65
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	15	0.65
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	15	0.65
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	13	0.65
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	13	0.65
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	5	0.65
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	2	0.65
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	2	0.65
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	15	0.65
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	15	0.65
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD11	7	0.65
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD11	7	0.65
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB1	10	0.65
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB1	10	0.65
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	13	0.65
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	1	0.65
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	11	0.65
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	2	0.65
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	15	0.65
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	2	0.65
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	15	0.65
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	9	0.65
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	7	0.65
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	9	0.65
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	13	0.64
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD13	8	0.64
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD11	14	0.64
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB1	1	0.64
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB1	1	0.64
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG22	9	0.64
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG23	12	0.64
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD2	4	0.64
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	9	0.64
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	9	0.64
(2,4638)	1:43:B:LEU:HD11	1:39:B:HIS:HD2	9	0.64
(2,4637)	1:43:A:LEU:HD11	1:39:A:HIS:HD2	9	0.64
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	12	0.64
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	14	0.64
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD11	8	0.64
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD11	8	0.64
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG22	6	0.64
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG22	6	0.64
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG23	3	0.64
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	9	0.64
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	9	0.64
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	15	0.64
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	3	0.64
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	14	0.64
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	14	0.64
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD11	7	0.64
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD11	7	0.64
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	9	0.64
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	12	0.64
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	6	0.64
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	12	0.64
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	1	0.64
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	6	0.64
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	1	0.64
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	6	0.64
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	8	0.64
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	2	0.64
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG23	6	0.64
(2,3088)	1:33:B:LYS:HD3	1:30:B:GLU:HG2	3	0.64
(2,3087)	1:33:A:LYS:HD3	1:30:A:GLU:HG2	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD21	14	0.64
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD21	14	0.64
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	1	0.64
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	5	0.64
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	9	0.64
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	1	0.64
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	5	0.64
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	9	0.64
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	5	0.64
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	5	0.64
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	5	0.64
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	14	0.64
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	14	0.64
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	12	0.64
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	14	0.64
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	4	0.64
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	7	0.64
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	9	0.64
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	12	0.64
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	12	0.64
(2,1496)	1:48:B:PRO:HA	1:48:B:PRO:HG2	12	0.64
(2,1495)	1:48:A:PRO:HA	1:48:A:PRO:HG2	12	0.64
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	9	0.64
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	1	0.64
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	2	0.64
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	9	0.64
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	2	0.64
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	14	0.64
(2,1008)	1:55:B:LEU:H	1:55:B:LEU:HB3	8	0.64
(2,1007)	1:55:A:LEU:H	1:55:A:LEU:HB3	8	0.64
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	12	0.64
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	12	0.64
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	1	0.64
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	1	0.64
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD11	6	0.64
(2,718)	1:39:B:HIS:H	1:43:B:LEU:HD12	11	0.64
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD11	6	0.64
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	15	0.64
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	15	0.64
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	15	0.64
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	1	0.64
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	12	0.64
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	4	0.64
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	6	0.64
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	4	0.64
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	6	0.64
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD12	15	0.64
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	9	0.64
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	1	0.64
(2,328)	1:18:B:THR:H	1:18:B:THR:HG21	8	0.64
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	13	0.64
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	13	0.64
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	15	0.64
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	6	0.64
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	14	0.64
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	14	0.64
(1,3150)	1:12:B:ILE:HD12	1:60:A:LEU:H	8	0.64
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD11	7	0.64
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	13	0.64
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD23	8	0.64
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	6	0.64
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	11	0.64
(1,3014)	1:35:B:LEU:HD22	1:32:B:PHE:HD1	11	0.64
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD21	9	0.64
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	11	0.64
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	7	0.64
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	7	0.64
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	2	0.64
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	10	0.64
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	2	0.64
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	10	0.64
(1,2759)	1:57:A:ALA:HB2	1:53:A:LYS:HE2	1	0.64
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	7	0.64
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	7	0.64
(1,2739)	1:58:A:ALA:HB2	1:55:A:LEU:HB3	13	0.64
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	5	0.64
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD12	1	0.64
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD12	1	0.64
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG21	6	0.64
(1,2634)	1:14:B:LEU:HD13	1:54:B:LEU:HA	9	0.64
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD13	3	0.64
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	2	0.64
(1,2570)	1:40:B:LEU:HD11	1:43:B:LEU:H	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2560)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	3	0.64
(1,2559)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	3	0.64
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	7	0.64
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD11	10	0.64
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	11	0.64
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	11	0.64
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	1	0.64
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	10	0.64
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	1	0.64
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	10	0.64
(1,2337)	1:53:A:LYS:HG3	1:14:A:LEU:HA	13	0.64
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	11	0.64
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	6	0.64
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	11	0.64
(1,2318)	1:9:B:LEU:HD23	1:20:B:THR:HB	2	0.64
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD12	15	0.64
(1,2157)	1:6:A:HIS:HB2	1:7:A:GLU:HB2	8	0.64
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	7	0.64
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	7	0.64
(1,1692)	1:32:B:PHE:HB2	1:61:B:LEU:HB3	13	0.64
(1,1691)	1:32:A:PHE:HB2	1:61:A:LEU:HB3	13	0.64
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	11	0.64
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	8	0.64
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	8	0.64
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	2	0.64
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	2	0.64
(1,1459)	1:11:A:ARG:HD2	1:64:B:TYR:H	4	0.64
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	11	0.64
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	5	0.64
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	5	0.64
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	9	0.64
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	9	0.64
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	9	0.64
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	12	0.64
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	13	0.64
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	12	0.64
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	13	0.64
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	10	0.64
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	7	0.64
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	7	0.64
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD13	1	0.64
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD13	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	5	0.64
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	5	0.64
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD23	9	0.64
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD23	9	0.64
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	9	0.64
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	14	0.64
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	9	0.64
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	14	0.64
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	1	0.64
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	3	0.64
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	7	0.64
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	6	0.64
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	7	0.64
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	13	0.64
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	9	0.64
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	9	0.64
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	11	0.64
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	1	0.64
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD12	10	0.64
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	7	0.64
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	14	0.64
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	9	0.63
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	9	0.63
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB2	5	0.63
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB2	8	0.63
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG22	5	0.63
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG23	12	0.63
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG22	5	0.63
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG22	8	0.63
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG22	9	0.63
(2,4825)	1:55:A:LEU:HD23	1:53:B:LYS:HE3	7	0.63
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG22	8	0.63
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	15	0.63
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD1	10	0.63
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	6	0.63
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	6	0.63
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD13	7	0.63
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD13	7	0.63
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	14	0.63
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	11	0.63
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	1	0.63
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG22	5	0.63
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG23	7	0.63
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG23	7	0.63
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	15	0.63
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD11	5	0.63
(2,3602)	1:43:B:LEU:HD13	1:40:B:LEU:HG	3	0.63
(2,3601)	1:43:A:LEU:HD13	1:40:A:LEU:HG	3	0.63
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD12	8	0.63
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD12	8	0.63
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	9	0.63
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	6	0.63
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	7	0.63
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	13	0.63
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	7	0.63
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	13	0.63
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	7	0.63
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	7	0.63
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG22	4	0.63
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	14	0.63
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	14	0.63
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD21	3	0.63
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD21	3	0.63
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	3	0.63
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	1	0.63
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	2	0.63
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	3	0.63
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	1	0.63
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	3	0.63
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	11	0.63
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	14	0.63
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	5	0.63
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	5	0.63
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	11	0.63
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	14	0.63
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	14	0.63
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	2	0.63
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	4	0.63
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	5	0.63
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	2	0.63
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	4	0.63
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	7	0.63
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	13	0.63
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	14	0.63
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	13	0.63
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	14	0.63
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	6	0.63
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	6	0.63
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD13	4	0.63
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD13	4	0.63
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	8	0.63
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD11	6	0.63
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	9	0.63
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	9	0.63
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	2	0.63
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	1	0.63
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	2	0.63
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	12	0.63
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	2	0.63
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	12	0.63
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	14	0.63
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	5	0.63
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	11	0.63
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	11	0.63
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG22	12	0.63
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG22	12	0.63
(2,717)	1:39:A:HIS:H	1:43:A:LEU:HD12	11	0.63
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	1	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	1	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	3	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	4	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	5	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	6	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	13	0.63
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	14	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	1	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	3	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	5	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	6	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	7	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	13	0.63
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	14	0.63
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD23	3	0.63
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD23	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	9	0.63
(2,327)	1:18:A:THR:H	1:18:A:THR:HG21	8	0.63
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	15	0.63
(1,3150)	1:12:B:ILE:HD12	1:60:A:LEU:H	3	0.63
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HB3	13	0.63
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HB3	13	0.63
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	13	0.63
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	10	0.63
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	10	0.63
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	1	0.63
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	12	0.63
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	12	0.63
(1,2760)	1:57:B:ALA:HB2	1:53:B:LYS:HE2	1	0.63
(1,2740)	1:58:B:ALA:HB2	1:55:B:LEU:HB3	13	0.63
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD11	5	0.63
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD13	8	0.63
(1,2683)	1:66:A:THR:HG23	1:67:B:GLY:HA3	5	0.63
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG21	6	0.63
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD11	8	0.63
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD11	8	0.63
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB2	5	0.63
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB2	5	0.63
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	1	0.63
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	1	0.63
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD13	3	0.63
(1,2594)	1:60:B:LEU:HD11	1:12:A:ILE:HG12	5	0.63
(1,2594)	1:60:B:LEU:HD11	1:12:A:ILE:HG12	15	0.63
(1,2569)	1:40:A:LEU:HD11	1:43:A:LEU:H	11	0.63
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	3	0.63
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	14	0.63
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	3	0.63
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	14	0.63
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	15	0.63
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD11	8	0.63
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD11	8	0.63
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	7	0.63
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	7	0.63
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD11	10	0.63
(1,2376)	1:35:B:LEU:HD23	1:21:B:LEU:HD12	5	0.63
(1,2375)	1:35:A:LEU:HD23	1:21:A:LEU:HD12	5	0.63
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	11	0.63
(1,2338)	1:53:B:LYS:HG3	1:14:B:LEU:HA	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	7	0.63
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	12	0.63
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	4	0.63
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	7	0.63
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	12	0.63
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	6	0.63
(1,2318)	1:9:B:LEU:HD21	1:20:B:THR:HB	6	0.63
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	1	0.63
(1,1857)	1:59:A:GLU:HG2	1:60:A:LEU:HA	5	0.63
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	3	0.63
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	3	0.63
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	9	0.63
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	3	0.63
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	3	0.63
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	10	0.63
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	3	0.63
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	4	0.63
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	1	0.63
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	1	0.63
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	11	0.63
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	8	0.63
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	8	0.63
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	13	0.63
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	13	0.63
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	10	0.63
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD13	10	0.63
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD13	10	0.63
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	2	0.63
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	2	0.63
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD13	13	0.63
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD13	13	0.63
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	12	0.63
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	12	0.63
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD21	3	0.63
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD21	3	0.63
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	6	0.63
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	14	0.63
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	3	0.63
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	14	0.63
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	7	0.63
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	9	0.63
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	9	0.63
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD12	10	0.63
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	5	0.63
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	5	0.63
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB2	5	0.62
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB2	8	0.62
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG21	15	0.62
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	3	0.62
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD1	10	0.62
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	9	0.62
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	9	0.62
(2,4715)	1:64:A:TYR:HD2	1:8:B:LEU:HD11	13	0.62
(2,4690)	1:8:B:LEU:HD22	1:32:B:PHE:HZ	6	0.62
(2,4689)	1:8:A:LEU:HD22	1:32:A:PHE:HZ	6	0.62
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	8	0.62
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	11	0.62
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	11	0.62
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	11	0.62
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD1	8	0.62
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD1	8	0.62
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG22	4	0.62
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG22	5	0.62
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG22	4	0.62
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	4	0.62
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG22	3	0.62
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG22	3	0.62
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	14	0.62
(2,3702)	1:61:B:LEU:HD23	1:60:A:LEU:HG	6	0.62
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD11	5	0.62
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD11	10	0.62
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD11	10	0.62
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	9	0.62
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	13	0.62
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	13	0.62
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD22	5	0.62
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD23	11	0.62
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD22	5	0.62
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD23	11	0.62
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG22	4	0.62
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG23	6	0.62
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	2	0.62
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD23	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	3	0.62
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	11	0.62
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	14	0.62
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	15	0.62
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	2	0.62
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	15	0.62
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	12	0.62
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	12	0.62
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	1	0.62
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	4	0.62
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	6	0.62
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	8	0.62
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	11	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	1	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	4	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	5	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	6	0.62
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	8	0.62
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	3	0.62
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	14	0.62
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	14	0.62
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	1	0.62
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	6	0.62
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	7	0.62
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	9	0.62
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	1	0.62
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	5	0.62
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	6	0.62
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	7	0.62
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	9	0.62
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	5	0.62
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	5	0.62
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	8	0.62
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	10	0.62
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	10	0.62
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD11	6	0.62
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	14	0.62
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	14	0.62
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	2	0.62
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	9	0.62
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	9	0.62
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD21	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD21	2	0.62
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	4	0.62
(2,814)	1:43:B:LEU:H	1:43:B:LEU:HB3	6	0.62
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	5	0.62
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	6	0.62
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	6	0.62
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	6	0.62
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	4	0.62
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	4	0.62
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	3	0.62
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	3	0.62
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	2	0.62
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	7	0.62
(2,592)	1:31:B:ASP:H	1:31:B:ASP:HB3	9	0.62
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	2	0.62
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	4	0.62
(2,591)	1:31:A:ASP:H	1:31:A:ASP:HB3	9	0.62
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	7	0.62
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	7	0.62
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	7	0.62
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	12	0.62
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	7	0.62
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	12	0.62
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	6	0.62
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	12	0.62
(1,3051)	1:6:A:HIS:HD2	1:15:A:GLU:HB2	9	0.62
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	1	0.62
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	7	0.62
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	7	0.62
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	7	0.62
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD11	10	0.62
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	7	0.62
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD11	10	0.62
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	5	0.62
(1,2740)	1:58:B:ALA:HB1	1:55:B:LEU:HB3	12	0.62
(1,2739)	1:58:A:ALA:HB1	1:55:A:LEU:HB3	12	0.62
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD11	5	0.62
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD13	8	0.62
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG23	12	0.62
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB1	12	0.62
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB1	12	0.62
(1,2638)	1:55:B:LEU:HD12	1:54:B:LEU:HD22	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2637)	1:55:A:LEU:HD12	1:54:A:LEU:HD22	14	0.62
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	14	0.62
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	14	0.62
(1,2593)	1:60:A:LEU:HD11	1:12:B:ILE:HG12	5	0.62
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	15	0.62
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	15	0.62
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	8	0.62
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	15	0.62
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	5	0.62
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	11	0.62
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	5	0.62
(1,2338)	1:53:B:LYS:HG3	1:12:B:ILE:HA	15	0.62
(1,2337)	1:53:A:LYS:HG3	1:12:A:ILE:HA	15	0.62
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	6	0.62
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	6	0.62
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	4	0.62
(1,2317)	1:9:A:LEU:HD21	1:20:A:THR:HB	6	0.62
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD12	11	0.62
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD13	10	0.62
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD12	11	0.62
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	1	0.62
(1,1958)	1:50:B:HIS:HB3	1:40:B:LEU:HG	3	0.62
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	9	0.62
(1,1957)	1:50:A:HIS:HB3	1:40:A:LEU:HG	3	0.62
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	9	0.62
(1,1858)	1:59:B:GLU:HG2	1:60:B:LEU:HA	5	0.62
(1,1754)	1:64:B:TYR:HB3	1:61:A:LEU:HA	11	0.62
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD21	6	0.62
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	5	0.62
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	5	0.62
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	5	0.62
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	5	0.62
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	4	0.62
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	9	0.62
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	4	0.62
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD12	5	0.62
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	4	0.62
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	8	0.62
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	10	0.62
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD21	3	0.62
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD21	3	0.62
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD21	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	15	0.62
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	15	0.62
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	7	0.62
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	7	0.62
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	15	0.62
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	15	0.62
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	3	0.62
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	3	0.62
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	10	0.62
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD12	10	0.62
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD12	10	0.62
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	6	0.62
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD13	13	0.62
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD13	13	0.62
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	6	0.62
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	14	0.62
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD13	6	0.62
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	14	0.62
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	13	0.62
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD21	12	0.62
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD21	12	0.62
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	8	0.62
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	8	0.62
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB2	14	0.62
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	15	0.62
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB2	14	0.62
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	15	0.62
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	7	0.62
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	11	0.62
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	14	0.62
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	7	0.62
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	11	0.62
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	14	0.62
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	12	0.62
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	7	0.62
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	12	0.62
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	4	0.62
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	4	0.62
(1,372)	1:32:B:PHE:H	1:30:B:GLU:HB2	12	0.62
(1,371)	1:32:A:PHE:H	1:30:A:GLU:HB2	12	0.62
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	3	0.62
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	8	0.62
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	15	0.62
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	3	0.62
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	6	0.62
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	1	0.62
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	1	0.62
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	4	0.62
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD22	3	0.61
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD22	5	0.61
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD22	5	0.61
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD11	14	0.61
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	14	0.61
(2,4837)	1:12:A:ILE:HD11	1:52:B:ALA:HB1	7	0.61
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB1	11	0.61
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG22	8	0.61
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG23	10	0.61
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	8	0.61
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	15	0.61
(2,4742)	1:12:B:ILE:HG23	1:60:A:LEU:H	2	0.61
(2,4741)	1:12:A:ILE:HG23	1:60:B:LEU:H	2	0.61
(2,4716)	1:64:B:TYR:HD2	1:8:A:LEU:HD11	13	0.61
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	12	0.61
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	12	0.61
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE1	8	0.61
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	13	0.61
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE1	8	0.61
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	13	0.61
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD1	14	0.61
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD1	14	0.61
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	8	0.61
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB2	10	0.61
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB2	10	0.61
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG21	2	0.61
(2,4046)	1:55:B:LEU:HD13	1:58:B:ALA:HB1	10	0.61
(2,4045)	1:55:A:LEU:HD13	1:58:A:ALA:HB1	10	0.61
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	4	0.61
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	1	0.61
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	1	0.61
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD11	4	0.61
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD11	4	0.61
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	13	0.61
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	1	0.61
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	4	0.61
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD12	11	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	1	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	4	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	9	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD12	11	0.61
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD12	15	0.61
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	2	0.61
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	4	0.61
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	4	0.61
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD23	13	0.61
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	13	0.61
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	13	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	3	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	7	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	9	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	10	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	12	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	13	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	14	0.61
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	15	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	3	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	7	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	9	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	10	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	12	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	13	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	14	0.61
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	15	0.61
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	3	0.61
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	15	0.61
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	3	0.61
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	8	0.61
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	14	0.61
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	3	0.61
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	8	0.61
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	14	0.61
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	1	0.61
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	6	0.61
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	11	0.61
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	11	0.61
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	15	0.61
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	2	0.61
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	7	0.61
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	12	0.61
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	2	0.61
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	12	0.61
(2,1394)	1:28:B:THR:HB	1:30:B:GLU:HG3	11	0.61
(2,1393)	1:28:A:THR:HB	1:30:A:GLU:HG3	11	0.61
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	6	0.61
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	14	0.61
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	14	0.61
(2,813)	1:43:A:LEU:H	1:43:A:LEU:HB3	4	0.61
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	12	0.61
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	9	0.61
(2,327)	1:18:A:THR:H	1:18:A:THR:HG21	11	0.61
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	12	0.61
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	13	0.61
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	10	0.61
(1,3072)	1:64:B:TYR:HD1	1:8:A:LEU:HD22	14	0.61
(1,3071)	1:64:A:TYR:HD1	1:8:B:LEU:HD22	14	0.61
(1,3052)	1:6:B:HIS:HD2	1:15:B:GLU:HB2	9	0.61
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	13	0.61
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	13	0.61
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	10	0.61
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	14	0.61
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	10	0.61
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	14	0.61
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	5	0.61
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD11	7	0.61
(1,2716)	1:52:B:ALA:HB1	1:12:A:ILE:HD12	11	0.61
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	15	0.61
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	15	0.61
(1,2684)	1:66:B:THR:HG23	1:67:A:GLY:HA3	5	0.61
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG23	12	0.61
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD12	1	0.61
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD12	1	0.61
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD11	6	0.61
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	11	0.61
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD13	14	0.61
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD13	14	0.61
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2593)	1:60:A:LEU:HD11	1:12:B:ILE:HG12	15	0.61
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB3	10	0.61
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD11	8	0.61
(1,2500)	1:61:B:LEU:HD23	1:64:A:TYR:HB3	1	0.61
(1,2499)	1:61:A:LEU:HD23	1:64:B:TYR:HB3	1	0.61
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	8	0.61
(1,2480)	1:40:B:LEU:HD13	1:52:B:ALA:HA	14	0.61
(1,2479)	1:40:A:LEU:HD13	1:52:A:ALA:HA	14	0.61
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD13	9	0.61
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD11	9	0.61
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	9	0.61
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD11	8	0.61
(1,2262)	1:53:B:LYS:HB2	1:54:B:LEU:HD13	10	0.61
(1,2261)	1:53:A:LYS:HB2	1:54:A:LEU:HD11	8	0.61
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	3	0.61
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	3	0.61
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	8	0.61
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	8	0.61
(1,1636)	1:65:B:ASP:HB3	1:66:B:THR:HA	7	0.61
(1,1635)	1:65:A:ASP:HB3	1:66:A:THR:HA	7	0.61
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD12	5	0.61
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	9	0.61
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	9	0.61
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD21	10	0.61
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	13	0.61
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	13	0.61
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	11	0.61
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	15	0.61
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	15	0.61
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	6	0.61
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	13	0.61
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	6	0.61
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	13	0.61
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	2	0.61
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	2	0.61
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	5	0.61
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB3	9	0.61
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	9	0.61
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD11	8	0.61
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	1	0.61
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	1	0.61
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	1	0.61
(1,1042)	1:51:B:ARG:HA	1:46:B:MET:HA	1	0.61
(1,1041)	1:51:A:ARG:HA	1:46:A:MET:HA	1	0.61
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	6	0.61
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	6	0.61
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	11	0.61
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD13	6	0.61
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	15	0.61
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	11	0.61
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	15	0.61
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	13	0.61
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD12	10	0.61
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD12	10	0.61
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD11	4	0.61
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	10	0.61
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	11	0.61
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	12	0.61
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	11	0.61
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	12	0.61
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	14	0.61
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	14	0.61
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB3	6	0.61
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB3	6	0.61
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD22	8	0.61
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	2	0.61
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	2	0.61
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	4	0.61
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	4	0.61
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	10	0.61
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD21	15	0.61
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD21	15	0.61
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD22	14	0.61
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	6	0.61
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD22	14	0.61
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	8	0.61
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	15	0.61
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	4	0.61
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD22	3	0.6
(2,4887)	1:11:A:ARG:HG2	1:60:B:LEU:HD11	13	0.6
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB3	10	0.6
(2,4838)	1:12:B:ILE:HD12	1:52:A:ALA:HB1	11	0.6
(2,4837)	1:12:A:ILE:HD12	1:52:B:ALA:HB3	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG23	1	0.6
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG23	10	0.6
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	15	0.6
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	3	0.6
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	4	0.6
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	5	0.6
(2,4759)	1:8:A:LEU:HD22	1:60:B:LEU:HA	6	0.6
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	6	0.6
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	7	0.6
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD13	15	0.6
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD13	15	0.6
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	11	0.6
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	14	0.6
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	14	0.6
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG23	14	0.6
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	9	0.6
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	9	0.6
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD2	11	0.6
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD2	11	0.6
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	7	0.6
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG21	2	0.6
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	7	0.6
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG21	1	0.6
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	8	0.6
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	9	0.6
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	15	0.6
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	8	0.6
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	9	0.6
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	15	0.6
(2,3875)	1:43:A:LEU:HD23	1:20:A:THR:HG23	2	0.6
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	14	0.6
(2,3706)	1:11:B:ARG:HD2	1:61:B:LEU:HD23	5	0.6
(2,3705)	1:11:A:ARG:HD2	1:61:A:LEU:HD23	5	0.6
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD11	8	0.6
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD12	15	0.6
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD11	8	0.6
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	3	0.6
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	2	0.6
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	3	0.6
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	2	0.6
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	2	0.6
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD23	1	0.6
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	4	0.6
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	4	0.6
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	4	0.6
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	6	0.6
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	4	0.6
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	6	0.6
(2,2538)	1:24:B:ASN:HD22	1:24:B:ASN:HB3	2	0.6
(2,2537)	1:24:A:ASN:HD22	1:24:A:ASN:HB3	2	0.6
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	5	0.6
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	5	0.6
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	8	0.6
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	8	0.6
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	15	0.6
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	12	0.6
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	13	0.6
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	11	0.6
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	12	0.6
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	13	0.6
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	15	0.6
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	1	0.6
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	3	0.6
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	15	0.6
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	4	0.6
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	4	0.6
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	7	0.6
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD21	14	0.6
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD21	14	0.6
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	6	0.6
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	1	0.6
(2,650)	1:34:B:GLU:H	1:34:B:GLU:HG3	5	0.6
(2,649)	1:34:A:GLU:H	1:34:A:GLU:HG3	5	0.6
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	9	0.6
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	5	0.6
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	13	0.6
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	13	0.6
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	3	0.6
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	4	0.6
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	12	0.6
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD23	14	0.6
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	3	0.6
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,328)	1:18:B:THR:H	1:18:B:THR:HG21	5	0.6
(2,328)	1:18:B:THR:H	1:18:B:THR:HG21	11	0.6
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	3	0.6
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	4	0.6
(2,327)	1:18:A:THR:H	1:18:A:THR:HG21	5	0.6
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	9	0.6
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	1	0.6
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	1	0.6
(2,25)	1:49:A:GLN:HE21	1:52:B:ALA:HB1	15	0.6
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	10	0.6
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	14	0.6
(1,3038)	1:54:B:LEU:HD12	1:50:B:HIS:HD2	11	0.6
(1,3037)	1:54:A:LEU:HD12	1:50:A:HIS:HD2	11	0.6
(1,3018)	1:32:B:PHE:HD2	1:33:B:LYS:HG3	13	0.6
(1,3017)	1:32:A:PHE:HD2	1:33:A:LYS:HG3	13	0.6
(1,2996)	1:64:B:TYR:HD2	1:61:A:LEU:HD22	14	0.6
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	1	0.6
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	1	0.6
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD11	4	0.6
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD11	4	0.6
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	3	0.6
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG23	15	0.6
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG23	15	0.6
(1,2788)	1:46:B:MET:HE1	1:46:B:MET:H	1	0.6
(1,2716)	1:52:B:ALA:HB3	1:12:A:ILE:HD12	10	0.6
(1,2715)	1:52:A:ALA:HB3	1:12:B:ILE:HD12	10	0.6
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD12	11	0.6
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	10	0.6
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD11	13	0.6
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD11	13	0.6
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD13	4	0.6
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD11	6	0.6
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD13	4	0.6
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB3	2	0.6
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB3	2	0.6
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	11	0.6
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	11	0.6
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	11	0.6
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	11	0.6
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	11	0.6
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	4	0.6
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB3	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	11	0.6
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD11	8	0.6
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD13	9	0.6
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD22	13	0.6
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD22	13	0.6
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	5	0.6
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	14	0.6
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	5	0.6
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	14	0.6
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	12	0.6
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	12	0.6
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	12	0.6
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	12	0.6
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD22	8	0.6
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD22	8	0.6
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	11	0.6
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	11	0.6
(1,1754)	1:64:B:TYR:HB3	1:61:B:LEU:HA	9	0.6
(1,1753)	1:64:A:TYR:HB3	1:61:A:LEU:HA	9	0.6
(1,1691)	1:32:A:PHE:HB2	1:29:A:LEU:HB2	2	0.6
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	3	0.6
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	3	0.6
(1,1630)	1:65:B:ASP:HB3	1:66:A:THR:HG22	7	0.6
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	11	0.6
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	11	0.6
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	6	0.6
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	14	0.6
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	14	0.6
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	11	0.6
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	12	0.6
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	11	0.6
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	12	0.6
(1,1460)	1:11:B:ARG:HD2	1:64:A:TYR:H	15	0.6
(1,1459)	1:11:A:ARG:HD2	1:64:B:TYR:H	15	0.6
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	9	0.6
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	9	0.6
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	12	0.6
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	12	0.6
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	6	0.6
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	1	0.6
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	5	0.6
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD11	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	5	0.6
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	1	0.6
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	6	0.6
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	9	0.6
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	12	0.6
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	12	0.6
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	11	0.6
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	11	0.6
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD2	7	0.6
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD12	11	0.6
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD12	11	0.6
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD13	5	0.6
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	7	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD13	2	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD11	4	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD13	5	0.6
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	10	0.6
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	12	0.6
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	12	0.6
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	6	0.6
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	13	0.6
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	13	0.6
(1,582)	1:54:B:LEU:H	1:52:B:ALA:HB2	2	0.6
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	7	0.6
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	7	0.6
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	12	0.6
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD21	7	0.6
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD22	8	0.6
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD21	7	0.6
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	10	0.6
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	5	0.6
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	10	0.6
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	14	0.6
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	14	0.6
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	3	0.6
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	6	0.6
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	3	0.6
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD23	12	0.6
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	15	0.6
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	15	0.6
(2,4905)	1:61:A:LEU:HD13	1:60:B:LEU:HB3	4	0.59
(2,4896)	1:61:B:LEU:HD12	1:64:A:TYR:HE1	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD13	1	0.59
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD13	13	0.59
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG23	4	0.59
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG21	11	0.59
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG23	1	0.59
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG23	4	0.59
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG21	15	0.59
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	4	0.59
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	10	0.59
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	8	0.59
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	10	0.59
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	5	0.59
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	1	0.59
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	1	0.59
(2,4638)	1:43:B:LEU:HD11	1:39:B:HIS:HD2	7	0.59
(2,4637)	1:43:A:LEU:HD11	1:39:A:HIS:HD2	7	0.59
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	4	0.59
(2,4477)	1:18:A:THR:HG21	1:4:A:THR:HB	4	0.59
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD2	5	0.59
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD2	5	0.59
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	11	0.59
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	4	0.59
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	3	0.59
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG22	11	0.59
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG23	14	0.59
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG22	11	0.59
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	13	0.59
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	13	0.59
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD1	14	0.59
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD1	14	0.59
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG21	1	0.59
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	13	0.59
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	13	0.59
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD12	3	0.59
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD12	7	0.59
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD12	7	0.59
(2,3876)	1:43:B:LEU:HD23	1:20:B:THR:HG23	2	0.59
(2,3876)	1:43:B:LEU:HD21	1:20:B:THR:HG22	12	0.59
(2,3875)	1:43:A:LEU:HD21	1:20:A:THR:HG22	12	0.59
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	3	0.59
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	3	0.59
(2,3666)	1:40:B:LEU:HD12	1:40:B:LEU:HA	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3665)	1:40:A:LEU:HD12	1:40:A:LEU:HA	12	0.59
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD11	1	0.59
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD13	7	0.59
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD11	1	0.59
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD13	7	0.59
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD2	1	0.59
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	3	0.59
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	10	0.59
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	4	0.59
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	10	0.59
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	4	0.59
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	3	0.59
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	6	0.59
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	14	0.59
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	14	0.59
(2,3120)	1:51:B:ARG:HG2	1:55:B:LEU:HD21	14	0.59
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD23	1	0.59
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD21	6	0.59
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD21	6	0.59
(2,3018)	1:39:B:HIS:HB3	1:37:B:GLU:HA	2	0.59
(2,3017)	1:39:A:HIS:HB3	1:37:A:GLU:HA	2	0.59
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	10	0.59
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	10	0.59
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	2	0.59
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	2	0.59
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	1	0.59
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	1	0.59
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	10	0.59
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	11	0.59
(2,2278)	1:61:B:LEU:H	1:61:B:LEU:HB3	15	0.59
(2,2277)	1:61:A:LEU:H	1:61:A:LEU:HB3	10	0.59
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	3	0.59
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	6	0.59
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	9	0.59
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	6	0.59
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	9	0.59
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	1	0.59
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	1	0.59
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	1	0.59
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG22	15	0.59
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG22	15	0.59
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	11	0.59
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	9	0.59
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	5	0.59
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	3	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD22	1	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	4	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD23	14	0.59
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	15	0.59
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD22	1	0.59
(2,328)	1:18:B:THR:H	1:18:B:THR:HG22	2	0.59
(2,327)	1:18:A:THR:H	1:18:A:THR:HG22	2	0.59
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	6	0.59
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	13	0.59
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	14	0.59
(1,3071)	1:64:A:TYR:HD2	1:8:B:LEU:HD23	13	0.59
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	4	0.59
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	4	0.59
(1,3018)	1:32:B:PHE:HD1	1:33:B:LYS:HG3	9	0.59
(1,3017)	1:32:A:PHE:HD1	1:33:A:LYS:HG3	9	0.59
(1,2995)	1:64:A:TYR:HD2	1:61:B:LEU:HD22	14	0.59
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	3	0.59
(1,2840)	1:21:B:LEU:HD23	1:45:B:ILE:HD12	8	0.59
(1,2839)	1:21:A:LEU:HD23	1:45:A:ILE:HD12	8	0.59
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD11	5	0.59
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD11	5	0.59
(1,2787)	1:46:A:MET:HE1	1:46:A:MET:H	1	0.59
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	5	0.59
(1,2759)	1:57:A:ALA:HB3	1:53:A:LYS:HE2	9	0.59
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB3	1	0.59
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB3	1	0.59
(1,2740)	1:58:B:ALA:HB3	1:55:B:LEU:HB3	2	0.59
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	10	0.59
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD12	12	0.59
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD12	12	0.59
(1,2642)	1:55:B:LEU:HD12	1:58:B:ALA:HB2	3	0.59
(1,2641)	1:55:A:LEU:HD12	1:58:A:ALA:HB2	3	0.59
(1,2620)	1:54:B:LEU:HD12	1:14:B:LEU:HD12	6	0.59
(1,2619)	1:54:A:LEU:HD12	1:14:A:LEU:HD12	6	0.59
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	4	0.59
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	2	0.59
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	4	0.59
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	12	0.59
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD22	2	0.59
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	4	0.59
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	10	0.59
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD22	2	0.59
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	4	0.59
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	10	0.59
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	13	0.59
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	13	0.59
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE1	15	0.59
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE1	15	0.59
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	14	0.59
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	14	0.59
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	12	0.59
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	12	0.59
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	14	0.59
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	14	0.59
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	12	0.59
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	12	0.59
(1,1992)	1:35:B:LEU:HB2	1:39:B:HIS:HB2	10	0.59
(1,1991)	1:35:A:LEU:HB2	1:39:A:HIS:HB2	10	0.59
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	12	0.59
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	10	0.59
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	10	0.59
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD21	6	0.59
(1,1692)	1:32:B:PHE:HB2	1:29:B:LEU:HB2	2	0.59
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	2	0.59
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	2	0.59
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	6	0.59
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	5	0.59
(1,1446)	1:11:B:ARG:HD2	1:12:B:ILE:HG22	13	0.59
(1,1445)	1:11:A:ARG:HD2	1:12:A:ILE:HG22	13	0.59
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD21	3	0.59
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD21	3	0.59
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	4	0.59
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	4	0.59
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	12	0.59
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	12	0.59
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	6	0.59
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	1	0.59
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD1	14	0.59
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD1	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD13	3	0.59
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD13	3	0.59
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	8	0.59
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	14	0.59
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	15	0.59
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	8	0.59
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	14	0.59
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	15	0.59
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	7	0.59
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	7	0.59
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	9	0.59
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	6	0.59
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	3	0.59
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	3	0.59
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	13	0.59
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	3	0.59
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD2	7	0.59
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD13	2	0.59
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	7	0.59
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	4	0.59
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	4	0.59
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	6	0.59
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	3	0.59
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB2	9	0.59
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	12	0.59
(1,581)	1:54:A:LEU:H	1:52:A:ALA:HB2	2	0.59
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	3	0.59
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB2	9	0.59
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD22	1	0.59
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD23	13	0.59
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD22	1	0.59
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD23	13	0.59
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	10	0.59
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	5	0.59
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD23	12	0.59
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	2	0.59
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	15	0.59
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	15	0.59
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	2	0.59
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	3	0.59
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	2	0.59
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4906)	1:61:B:LEU:HD13	1:60:A:LEU:HB3	4	0.58
(2,4895)	1:61:A:LEU:HD11	1:64:B:TYR:HE1	10	0.58
(2,4888)	1:11:B:ARG:HG2	1:60:A:LEU:HD11	13	0.58
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD13	1	0.58
(2,4850)	1:56:B:THR:HG21	1:12:A:ILE:HD12	3	0.58
(2,4838)	1:12:B:ILE:HD11	1:52:A:ALA:HB1	7	0.58
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG21	11	0.58
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE2	3	0.58
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	9	0.58
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	9	0.58
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	7	0.58
(2,4598)	1:54:B:LEU:HD22	1:17:B:HIS:HD2	5	0.58
(2,4597)	1:54:A:LEU:HD22	1:17:A:HIS:HD2	5	0.58
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	13	0.58
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	7	0.58
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	7	0.58
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD11	10	0.58
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	12	0.58
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD11	10	0.58
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	12	0.58
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	5	0.58
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	5	0.58
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD12	3	0.58
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	4	0.58
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	5	0.58
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG23	13	0.58
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG23	13	0.58
(2,3692)	1:39:B:HIS:H	1:35:B:LEU:HD12	1	0.58
(2,3691)	1:39:A:HIS:H	1:35:A:LEU:HD12	1	0.58
(2,3616)	1:43:B:LEU:H	1:43:B:LEU:HD13	7	0.58
(2,3615)	1:43:A:LEU:H	1:43:A:LEU:HD13	7	0.58
(2,3610)	1:44:B:ASN:HB3	1:43:B:LEU:HD12	5	0.58
(2,3609)	1:44:A:ASN:HB3	1:43:A:LEU:HD12	5	0.58
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD2	1	0.58
(2,3526)	1:35:B:LEU:HD23	1:9:B:LEU:HD11	8	0.58
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	3	0.58
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	10	0.58
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	11	0.58
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	10	0.58
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	11	0.58
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	6	0.58
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3119)	1:51:A:ARG:HG2	1:55:A:LEU:HD21	14	0.58
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG22	3	0.58
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG22	3	0.58
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	12	0.58
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	12	0.58
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	7	0.58
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	9	0.58
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	12	0.58
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	7	0.58
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	12	0.58
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	10	0.58
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	2	0.58
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	2	0.58
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	6	0.58
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	9	0.58
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	6	0.58
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	9	0.58
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	15	0.58
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	8	0.58
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	8	0.58
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	2	0.58
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	8	0.58
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	2	0.58
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	8	0.58
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	1	0.58
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	11	0.58
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	14	0.58
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	15	0.58
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	1	0.58
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	5	0.58
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	11	0.58
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	14	0.58
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	15	0.58
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	11	0.58
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD21	10	0.58
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD21	10	0.58
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	11	0.58
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	11	0.58
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	12	0.58
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	12	0.58
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG22	3	0.58
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG22	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD11	1	0.58
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD11	1	0.58
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD23	6	0.58
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD23	6	0.58
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	15	0.58
(2,328)	1:18:B:THR:H	1:18:B:THR:HG23	10	0.58
(2,327)	1:18:A:THR:H	1:18:A:THR:HG23	10	0.58
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	9	0.58
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	9	0.58
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	8	0.58
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	15	0.58
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	6	0.58
(2,26)	1:49:B:GLN:HE21	1:52:A:ALA:HB1	15	0.58
(1,3072)	1:64:B:TYR:HD2	1:8:A:LEU:HD23	13	0.58
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD1	14	0.58
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD1	14	0.58
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD23	13	0.58
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD23	13	0.58
(1,2853)	1:45:A:ILE:HD11	1:47:A:ASP:HB2	9	0.58
(1,2784)	1:12:B:ILE:HG23	1:61:A:LEU:H	13	0.58
(1,2760)	1:57:B:ALA:HB3	1:53:B:LYS:HE2	9	0.58
(1,2739)	1:58:A:ALA:HB3	1:55:A:LEU:HB3	2	0.58
(1,2715)	1:52:A:ALA:HB1	1:12:B:ILE:HD11	7	0.58
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	1	0.58
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD12	7	0.58
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD12	7	0.58
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD12	5	0.58
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD12	5	0.58
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	1	0.58
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	4	0.58
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	1	0.58
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	4	0.58
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	2	0.58
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD13	3	0.58
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD13	3	0.58
(1,2591)	1:60:A:LEU:HD13	1:57:B:ALA:HB2	7	0.58
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	7	0.58
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	7	0.58
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	9	0.58
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	9	0.58
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD22	5	0.58
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD22	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	7	0.58
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	7	0.58
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	9	0.58
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	9	0.58
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	6	0.58
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD21	7	0.58
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD21	7	0.58
(1,1848)	1:38:B:THR:HA	1:42:B:GLU:HG2	12	0.58
(1,1847)	1:38:A:THR:HA	1:42:A:GLU:HG2	12	0.58
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	12	0.58
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	15	0.58
(1,1629)	1:65:A:ASP:HB3	1:66:B:THR:HG22	7	0.58
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	2	0.58
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	4	0.58
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	4	0.58
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	6	0.58
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	6	0.58
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	4	0.58
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	4	0.58
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	12	0.58
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	2	0.58
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	12	0.58
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	15	0.58
(1,1210)	1:9:B:LEU:HA	1:12:B:ILE:HB	13	0.58
(1,1209)	1:9:A:LEU:HA	1:12:A:ILE:HB	13	0.58
(1,1144)	1:50:B:HIS:HA	1:54:B:LEU:HD12	15	0.58
(1,1143)	1:50:A:HIS:HA	1:54:A:LEU:HD12	15	0.58
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	11	0.58
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	11	0.58
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	10	0.58
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	11	0.58
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	14	0.58
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	3	0.58
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	8	0.58
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	3	0.58
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	8	0.58
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	3	0.58
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	7	0.58
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	8	0.58
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	8	0.58
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	10	0.58
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	13	0.58
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD23	13	0.58
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD23	13	0.58
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD13	5	0.58
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD22	15	0.58
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD13	5	0.58
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD22	15	0.58
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	7	0.58
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	7	0.58
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD21	10	0.58
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD21	10	0.58
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	5	0.58
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	5	0.58
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	6	0.58
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	1	0.58
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	1	0.58
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	3	0.58
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	12	0.58
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	14	0.58
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	12	0.58
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	14	0.58
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	2	0.58
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	8	0.58
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	11	0.58
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	7	0.57
(2,4895)	1:61:A:LEU:HD12	1:64:B:TYR:HE1	15	0.57
(2,4850)	1:56:B:THR:HG22	1:12:A:ILE:HD13	7	0.57
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD13	13	0.57
(2,4849)	1:56:A:THR:HG21	1:12:B:ILE:HD12	3	0.57
(2,4832)	1:62:B:LEU:HD23	1:11:A:ARG:HA	4	0.57
(2,4831)	1:62:A:LEU:HD23	1:11:B:ARG:HA	4	0.57
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG22	8	0.57
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG22	8	0.57
(2,4642)	1:38:B:THR:HG21	1:39:B:HIS:HE1	7	0.57
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD1	10	0.57
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD2	11	0.57
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD1	10	0.57
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD2	11	0.57
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	13	0.57
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD23	8	0.57
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD23	8	0.57
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	4	0.57
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	5	0.57
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG23	9	0.57
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG23	9	0.57
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD13	14	0.57
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD13	14	0.57
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD2	13	0.57
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD2	13	0.57
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	5	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	1	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD12	2	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	4	0.57
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	10	0.57
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	1	0.57
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD12	2	0.57
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD12	3	0.57
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD12	3	0.57
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD1	8	0.57
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD1	8	0.57
(2,3525)	1:35:A:LEU:HD23	1:9:A:LEU:HD11	8	0.57
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	8	0.57
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	8	0.57
(2,3380)	1:54:B:LEU:H	1:54:B:LEU:HD13	14	0.57
(2,3379)	1:54:A:LEU:H	1:54:A:LEU:HD13	14	0.57
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	7	0.57
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	1	0.57
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	9	0.57
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	10	0.57
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	7	0.57
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	7	0.57
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	7	0.57
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	3	0.57
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	3	0.57
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	3	0.57
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	5	0.57
(2,1754)	1:33:B:LYS:HA	1:32:B:PHE:HB2	13	0.57
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	3	0.57
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	9	0.57
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	11	0.57
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	6	0.57
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	6	0.57
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG23	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG23	10	0.57
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	9	0.57
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	9	0.57
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	14	0.57
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	14	0.57
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	14	0.57
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	3	0.57
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	14	0.57
(2,406)	1:22:B:LEU:H	1:22:B:LEU:HD21	2	0.57
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	15	0.57
(1,3022)	1:64:B:TYR:HE1	1:65:A:ASP:H	4	0.57
(1,3018)	1:32:B:PHE:HD2	1:33:B:LYS:HG3	3	0.57
(1,3017)	1:32:A:PHE:HD2	1:33:A:LYS:HG3	3	0.57
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	5	0.57
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	5	0.57
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG22	15	0.57
(1,2854)	1:45:B:ILE:HD11	1:47:B:ASP:HB2	5	0.57
(1,2854)	1:45:B:ILE:HD11	1:47:B:ASP:HB2	9	0.57
(1,2853)	1:45:A:ILE:HD11	1:47:A:ASP:HB2	5	0.57
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	4	0.57
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	7	0.57
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	4	0.57
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	7	0.57
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	5	0.57
(1,2783)	1:12:A:ILE:HG23	1:61:B:LEU:H	13	0.57
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	4	0.57
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	4	0.57
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	1	0.57
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	1	0.57
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	5	0.57
(1,2594)	1:60:B:LEU:HD11	1:12:A:ILE:HG12	3	0.57
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	12	0.57
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	3	0.57
(1,2542)	1:5:B:LEU:HD21	1:21:B:LEU:HB2	11	0.57
(1,2541)	1:5:A:LEU:HD21	1:21:A:LEU:HB2	11	0.57
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD22	14	0.57
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD22	14	0.57
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	11	0.57
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	11	0.57
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	6	0.57
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	7	0.57
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	7	0.57
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	2	0.57
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	6	0.57
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	2	0.57
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	6	0.57
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	9	0.57
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	9	0.57
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	14	0.57
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	2	0.57
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	2	0.57
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	6	0.57
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	7	0.57
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	7	0.57
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	15	0.57
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	5	0.57
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	7	0.57
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD22	1	0.57
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD22	1	0.57
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	6	0.57
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	7	0.57
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	7	0.57
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	11	0.57
(1,1399)	1:67:A:GLY:HA3	1:66:B:THR:HG22	9	0.57
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	3	0.57
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	8	0.57
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	10	0.57
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	3	0.57
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HA	15	0.57
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HA	15	0.57
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	15	0.57
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	2	0.57
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	15	0.57
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	4	0.57
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	9	0.57
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	10	0.57
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	9	0.57
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	3	0.57
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	14	0.57
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	3	0.57
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	8	0.57
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	7	0.57
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	10	0.57
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	1	0.57
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	1	0.57
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD13	3	0.57
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD13	3	0.57
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	6	0.57
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	14	0.57
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB3	11	0.57
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB3	11	0.57
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	4	0.57
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	6	0.57
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	13	0.57
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	4	0.57
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	4	0.57
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	8	0.57
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	13	0.57
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	3	0.57
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	8	0.57
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	8	0.57
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	11	0.57
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	7	0.56
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD23	14	0.56
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD23	14	0.56
(2,4896)	1:61:B:LEU:HD11	1:64:A:TYR:HE1	10	0.56
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	15	0.56
(2,4849)	1:56:A:THR:HG22	1:12:B:ILE:HD13	7	0.56
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE2	11	0.56
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	11	0.56
(2,4764)	1:8:B:LEU:HD22	1:64:A:TYR:HD1	2	0.56
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	5	0.56
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	15	0.56
(2,4641)	1:38:A:THR:HG21	1:39:A:HIS:HE1	7	0.56
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	1	0.56
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	9	0.56
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	1	0.56
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	9	0.56
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	5	0.56
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	11	0.56
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	11	0.56
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	10	0.56
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	15	0.56
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG23	3	0.56
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG23	3	0.56
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	7	0.56
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD11	2	0.56
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	7	0.56
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD1	15	0.56
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD1	15	0.56
(2,4028)	1:30:B:GLU:H	1:28:B:THR:HG22	13	0.56
(2,4027)	1:30:A:GLU:H	1:28:A:THR:HG22	13	0.56
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	4	0.56
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	4	0.56
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	9	0.56
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	9	0.56
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	10	0.56
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG21	8	0.56
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG21	8	0.56
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	7	0.56
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	7	0.56
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD23	2	0.56
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD23	2	0.56
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD12	15	0.56
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD12	15	0.56
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD2	15	0.56
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	7	0.56
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	8	0.56
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	12	0.56
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	12	0.56
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	5	0.56
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	5	0.56
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	13	0.56
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	13	0.56
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	4	0.56
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	4	0.56
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	5	0.56
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	2	0.56
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	2	0.56
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD23	2	0.56
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	4	0.56
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	5	0.56
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	12	0.56
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD22	13	0.56
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	4	0.56
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	5	0.56
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	12	0.56
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	13	0.56
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	2	0.56
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	7	0.56
(2,1753)	1:33:A:LYS:HA	1:32:A:PHE:HB2	13	0.56
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	9	0.56
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	4	0.56
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	4	0.56
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	4	0.56
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	4	0.56
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	4	0.56
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	14	0.56
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	14	0.56
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	3	0.56
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	6	0.56
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	6	0.56
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	13	0.56
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	2	0.56
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	2	0.56
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	3	0.56
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	9	0.56
(2,405)	1:22:A:LEU:H	1:22:A:LEU:HD21	2	0.56
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	8	0.56
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD23	5	0.56
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	11	0.56
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	15	0.56
(1,3044)	1:35:B:LEU:HD21	1:39:B:HIS:HD2	10	0.56
(1,3043)	1:35:A:LEU:HD21	1:39:A:HIS:HD2	10	0.56
(1,3037)	1:54:A:LEU:HD11	1:50:A:HIS:HD2	8	0.56
(1,3021)	1:64:A:TYR:HE1	1:65:B:ASP:H	4	0.56
(1,3017)	1:32:A:PHE:HD1	1:33:A:LYS:HG3	8	0.56
(1,2996)	1:60:B:LEU:HD12	1:64:B:TYR:HD2	6	0.56
(1,2995)	1:60:A:LEU:HD12	1:64:A:TYR:HD2	6	0.56
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG22	15	0.56
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	1	0.56
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	1	0.56
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	14	0.56
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	14	0.56
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	1	0.56
(1,2806)	1:45:B:ILE:HG21	1:40:B:LEU:HA	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	1	0.56
(1,2805)	1:45:A:ILE:HG21	1:40:A:LEU:HA	11	0.56
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG21	6	0.56
(1,2760)	1:57:B:ALA:HB1	1:53:B:LYS:HE2	4	0.56
(1,2759)	1:57:A:ALA:HB1	1:53:A:LYS:HE2	4	0.56
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	3	0.56
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	3	0.56
(1,2732)	1:52:B:ALA:HB1	1:51:B:ARG:H	12	0.56
(1,2731)	1:52:A:ALA:HB1	1:51:A:ARG:H	12	0.56
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	1	0.56
(1,2690)	1:66:B:THR:HG22	1:67:A:GLY:H	9	0.56
(1,2689)	1:66:A:THR:HG22	1:67:B:GLY:H	9	0.56
(1,2687)	1:66:A:THR:HG21	1:68:B:CYS:H	15	0.56
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB2	8	0.56
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB2	8	0.56
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	5	0.56
(1,2620)	1:54:B:LEU:HD12	1:14:B:LEU:HD11	5	0.56
(1,2619)	1:54:A:LEU:HD12	1:14:A:LEU:HD11	5	0.56
(1,2610)	1:64:B:TYR:HB3	1:60:B:LEU:HD11	9	0.56
(1,2609)	1:64:A:TYR:HB3	1:60:A:LEU:HD11	9	0.56
(1,2594)	1:60:B:LEU:HD13	1:12:A:ILE:HG12	10	0.56
(1,2593)	1:60:A:LEU:HD11	1:12:B:ILE:HG12	3	0.56
(1,2593)	1:60:A:LEU:HD13	1:12:B:ILE:HG12	10	0.56
(1,2592)	1:60:B:LEU:HD13	1:57:A:ALA:HB2	7	0.56
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	11	0.56
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	2	0.56
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	2	0.56
(1,2480)	1:40:B:LEU:HD11	1:52:B:ALA:HA	12	0.56
(1,2479)	1:40:A:LEU:HD11	1:52:A:ALA:HA	12	0.56
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD11	13	0.56
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD11	13	0.56
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD23	15	0.56
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	12	0.56
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD23	15	0.56
(1,2376)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	1	0.56
(1,2375)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	1	0.56
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	15	0.56
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	15	0.56
(1,2350)	1:60:B:LEU:HD22	1:64:B:TYR:HE2	1	0.56
(1,2349)	1:60:A:LEU:HD22	1:64:A:TYR:HE2	1	0.56
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	10	0.56
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	10	0.56
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	13	0.56
(1,2318)	1:9:B:LEU:HD23	1:20:B:THR:HB	12	0.56
(1,2317)	1:9:A:LEU:HD23	1:20:A:THR:HB	12	0.56
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	14	0.56
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	4	0.56
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	4	0.56
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD22	15	0.56
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD21	3	0.56
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	9	0.56
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD22	15	0.56
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	4	0.56
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	4	0.56
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	4	0.56
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	6	0.56
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	11	0.56
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	2	0.56
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	9	0.56
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	6	0.56
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	2	0.56
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	2	0.56
(1,1457)	1:11:A:ARG:HD2	1:56:B:THR:HA	2	0.56
(1,1400)	1:67:B:GLY:HA3	1:66:A:THR:HG22	9	0.56
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	9	0.56
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	8	0.56
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	9	0.56
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	10	0.56
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	15	0.56
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	15	0.56
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	4	0.56
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD1	13	0.56
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD13	8	0.56
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	11	0.56
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD13	8	0.56
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	11	0.56
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	15	0.56
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	15	0.56
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	14	0.56
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	14	0.56
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	2	0.56
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	3	0.56
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	3	0.56
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	8	0.56
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	9	0.56
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	5	0.56
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	5	0.56
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD13	3	0.56
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD13	3	0.56
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD21	7	0.56
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	1	0.56
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD11	6	0.56
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	15	0.56
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	1	0.56
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD11	6	0.56
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	15	0.56
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	10	0.56
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	10	0.56
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	1	0.56
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	14	0.56
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	6	0.56
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB3	8	0.56
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB3	8	0.56
(1,514)	1:47:B:ASP:H	1:55:B:LEU:HD21	12	0.56
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	4	0.56
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	11	0.56
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	6	0.56
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	6	0.56
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	2	0.56
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	13	0.56
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	2	0.56
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	12	0.56
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	12	0.56
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	3	0.56
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	3	0.56
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	13	0.56
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD22	12	0.56
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD22	12	0.56
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	4	0.56
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	9	0.56
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	11	0.55
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	11	0.55
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD12	10	0.55
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE2	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4763)	1:8:A:LEU:HD22	1:64:B:TYR:HD1	2	0.55
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	2	0.55
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	6	0.55
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	11	0.55
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	11	0.55
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	11	0.55
(2,4638)	1:43:B:LEU:HD12	1:39:B:HIS:HD2	13	0.55
(2,4637)	1:43:A:LEU:HD13	1:39:A:HIS:HD2	2	0.55
(2,4637)	1:43:A:LEU:HD12	1:39:A:HIS:HD2	13	0.55
(2,4628)	1:45:B:ILE:HG23	1:50:B:HIS:HE1	2	0.55
(2,4627)	1:45:A:ILE:HG23	1:50:A:HIS:HE1	2	0.55
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	5	0.55
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	10	0.55
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD23	4	0.55
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD23	4	0.55
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	2	0.55
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	9	0.55
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	12	0.55
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD11	2	0.55
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG23	12	0.55
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG23	12	0.55
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	6	0.55
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	11	0.55
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD13	13	0.55
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	6	0.55
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	11	0.55
(2,3666)	1:40:B:LEU:HD11	1:40:B:LEU:HA	14	0.55
(2,3665)	1:40:A:LEU:HD11	1:40:A:LEU:HA	14	0.55
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD13	8	0.55
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD13	8	0.55
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD13	3	0.55
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD13	3	0.55
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD13	4	0.55
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD13	4	0.55
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD23	8	0.55
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD23	8	0.55
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD2	15	0.55
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	8	0.55
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG22	13	0.55
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	7	0.55
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG22	13	0.55
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	2	0.55
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	12	0.55
(2,2902)	1:35:B:LEU:HA	1:36:B:ARG:HB3	8	0.55
(2,2901)	1:35:A:LEU:HA	1:36:A:ARG:HB3	8	0.55
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	4	0.55
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	8	0.55
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	9	0.55
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	4	0.55
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	8	0.55
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	9	0.55
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	14	0.55
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	15	0.55
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	5	0.55
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD2	13	0.55
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD2	13	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	1	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD23	6	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	7	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD23	8	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	9	0.55
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD22	11	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	6	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	7	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	8	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	9	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	11	0.55
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	15	0.55
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	2	0.55
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	8	0.55
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD11	6	0.55
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD11	6	0.55
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	1	0.55
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	1	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	4	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	5	0.55
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG23	12	0.55
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	5	0.55
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	5	0.55
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	5	0.55
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	13	0.55
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	4	0.55
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	9	0.55
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	5	0.55
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	5	0.55
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	14	0.55
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	14	0.55
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	15	0.55
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	9	0.55
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	13	0.55
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	9	0.55
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	13	0.55
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	13	0.55
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	9	0.55
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD12	5	0.55
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD21	7	0.55
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD21	7	0.55
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	7	0.55
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	12	0.55
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	15	0.55
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	3	0.55
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	3	0.55
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	4	0.55
(1,3038)	1:54:B:LEU:HD11	1:50:B:HIS:HD2	8	0.55
(1,3038)	1:54:B:LEU:HD12	1:50:B:HIS:HD2	15	0.55
(1,3037)	1:54:A:LEU:HD12	1:50:A:HIS:HD2	15	0.55
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	2	0.55
(1,3018)	1:32:B:PHE:HD1	1:33:B:LYS:HG3	8	0.55
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	2	0.55
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	12	0.55
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	12	0.55
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG21	6	0.55
(1,2788)	1:46:B:MET:HE2	1:46:B:MET:H	7	0.55
(1,2787)	1:46:A:MET:HE2	1:46:A:MET:H	7	0.55
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	7	0.55
(1,2732)	1:52:B:ALA:HB1	1:51:B:ARG:H	13	0.55
(1,2731)	1:52:A:ALA:HB1	1:51:A:ARG:H	13	0.55
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	2	0.55
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG22	14	0.55
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	2	0.55
(1,2688)	1:66:B:THR:HG21	1:68:A:CYS:H	15	0.55
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD11	7	0.55
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD12	10	0.55
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD13	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2648)	1:56:B:THR:H	1:55:B:LEU:HD13	15	0.55
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD11	7	0.55
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD12	10	0.55
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD13	11	0.55
(1,2647)	1:56:A:THR:H	1:55:A:LEU:HD13	15	0.55
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB1	9	0.55
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB1	9	0.55
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	13	0.55
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	13	0.55
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	15	0.55
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	15	0.55
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD13	2	0.55
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD13	2	0.55
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	1	0.55
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	2	0.55
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	2	0.55
(1,2500)	1:61:B:LEU:HD23	1:64:A:TYR:HB3	13	0.55
(1,2499)	1:61:A:LEU:HD23	1:64:B:TYR:HB3	13	0.55
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD12	3	0.55
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD13	15	0.55
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	3	0.55
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD13	15	0.55
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD23	3	0.55
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	12	0.55
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD23	3	0.55
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	3	0.55
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD11	15	0.55
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD11	15	0.55
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	4	0.55
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	4	0.55
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	2	0.55
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	5	0.55
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	13	0.55
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	2	0.55
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	5	0.55
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	13	0.55
(1,2198)	1:14:B:LEU:HD22	1:49:B:GLN:HB2	1	0.55
(1,2197)	1:14:A:LEU:HD22	1:49:A:GLN:HB2	1	0.55
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	13	0.55
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD21	3	0.55
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	9	0.55
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD11	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD11	12	0.55
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	13	0.55
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	13	0.55
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	4	0.55
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	4	0.55
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	4	0.55
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	9	0.55
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	11	0.55
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD22	7	0.55
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD22	7	0.55
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	14	0.55
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	14	0.55
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	9	0.55
(1,1458)	1:11:B:ARG:HD2	1:56:A:THR:HA	2	0.55
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	11	0.55
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	1	0.55
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	15	0.55
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	1	0.55
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	6	0.55
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG22	10	0.55
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD1	13	0.55
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	11	0.55
(1,1112)	1:7:B:GLU:HA	1:8:B:LEU:HB3	4	0.55
(1,1111)	1:7:A:GLU:HA	1:8:A:LEU:HB3	4	0.55
(1,992)	1:23:B:LEU:H	1:19:B:SER:HB3	15	0.55
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	9	0.55
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD12	5	0.55
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	11	0.55
(1,776)	1:67:B:GLY:H	1:64:B:TYR:HE2	12	0.55
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD23	6	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD23	6	0.55
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD21	7	0.55
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	3	0.55
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	3	0.55
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	1	0.55
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	4	0.55
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	4	0.55
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	13	0.55
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	13	0.55
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	15	0.55
(1,513)	1:47:A:ASP:H	1:55:A:LEU:HD21	12	0.55
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	5	0.55
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	9	0.55
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	11	0.55
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	9	0.55
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	4	0.55
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	13	0.55
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	4	0.55
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	13	0.55
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD21	3	0.55
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD21	3	0.55
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	1	0.55
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	1	0.55
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	2	0.55
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	2	0.55
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	10	0.55
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	10	0.55
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	4	0.55
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	4	0.55
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	1	0.55
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	1	0.55
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	4	0.55
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	9	0.55
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	13	0.55
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	13	0.55
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	15	0.54
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD13	7	0.54
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD12	5	0.54
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD12	10	0.54
(2,4836)	1:12:B:ILE:HD11	1:56:A:THR:HG22	14	0.54
(2,4835)	1:12:A:ILE:HD11	1:56:B:THR:HG22	14	0.54
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	15	0.54
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB2	4	0.54
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	3	0.54
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	12	0.54
(2,4763)	1:8:A:LEU:HD22	1:64:B:TYR:HD2	6	0.54
(2,4760)	1:8:B:LEU:HD22	1:60:A:LEU:HA	6	0.54
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	2	0.54
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	6	0.54
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	5	0.54
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	15	0.54
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	2	0.54
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4662)	1:6:B:HIS:HD2	1:18:B:THR:HA	8	0.54
(2,4642)	1:38:B:THR:HG22	1:39:B:HIS:HE1	4	0.54
(2,4641)	1:38:A:THR:HG22	1:39:A:HIS:HE1	4	0.54
(2,4638)	1:43:B:LEU:HD13	1:39:B:HIS:HD2	2	0.54
(2,4478)	1:18:B:THR:HG22	1:4:B:THR:HB	10	0.54
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	15	0.54
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	15	0.54
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	15	0.54
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	15	0.54
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD22	6	0.54
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	5	0.54
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	2	0.54
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	15	0.54
(2,4178)	1:45:B:ILE:H	1:45:B:ILE:HD12	3	0.54
(2,4177)	1:45:A:ILE:H	1:45:A:ILE:HD12	3	0.54
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD2	12	0.54
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD2	12	0.54
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG23	3	0.54
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	12	0.54
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	15	0.54
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	12	0.54
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG22	11	0.54
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD12	12	0.54
(2,3896)	1:14:B:LEU:HB2	1:14:B:LEU:HD11	14	0.54
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD12	12	0.54
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD13	13	0.54
(2,3895)	1:14:A:LEU:HB2	1:14:A:LEU:HD11	14	0.54
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG22	15	0.54
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	13	0.54
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	13	0.54
(2,3849)	1:43:A:LEU:HD22	1:21:A:LEU:H	14	0.54
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD23	11	0.54
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD23	11	0.54
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD11	14	0.54
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD11	14	0.54
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD11	5	0.54
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD11	5	0.54
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	11	0.54
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	11	0.54
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD22	10	0.54
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	13	0.54
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD22	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	13	0.54
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	7	0.54
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	2	0.54
(2,2952)	1:2:B:PRO:HB2	1:8:B:LEU:HB3	2	0.54
(2,2951)	1:2:A:PRO:HB2	1:8:A:LEU:HB3	2	0.54
(2,2825)	1:25:A:GLY:HA3	1:27:A:GLN:HG2	15	0.54
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	14	0.54
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	11	0.54
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD22	3	0.54
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD23	10	0.54
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD22	14	0.54
(2,2218)	1:54:B:LEU:HB2	1:54:B:LEU:HD21	15	0.54
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	1	0.54
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	3	0.54
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	10	0.54
(2,2217)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	14	0.54
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	8	0.54
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	15	0.54
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	15	0.54
(2,2106)	1:47:B:ASP:H	1:48:B:PRO:HD2	12	0.54
(2,2105)	1:47:A:ASP:H	1:48:A:PRO:HD2	12	0.54
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD11	1	0.54
(2,1688)	1:21:B:LEU:HA	1:43:B:LEU:HD22	8	0.54
(2,1687)	1:21:A:LEU:HA	1:43:A:LEU:HD22	8	0.54
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	10	0.54
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	10	0.54
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	15	0.54
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	6	0.54
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	6	0.54
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG23	12	0.54
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	4	0.54
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	13	0.54
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	8	0.54
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	8	0.54
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	5	0.54
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	5	0.54
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG21	11	0.54
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	7	0.54
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	7	0.54
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	15	0.54
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	10	0.54
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	15	0.54
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	7	0.54
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	3	0.54
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	14	0.54
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	14	0.54
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	6	0.54
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	6	0.54
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD12	5	0.54
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD23	5	0.54
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	12	0.54
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	12	0.54
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD11	10	0.54
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	3	0.54
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	3	0.54
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	4	0.54
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	14	0.54
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	15	0.54
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	15	0.54
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	5	0.54
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD13	9	0.54
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	5	0.54
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD13	9	0.54
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD11	4	0.54
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD11	12	0.54
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD11	4	0.54
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD11	12	0.54
(1,2786)	1:12:B:ILE:HG21	1:57:B:ALA:H	2	0.54
(1,2785)	1:12:A:ILE:HG21	1:57:A:ALA:H	2	0.54
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	7	0.54
(1,2732)	1:52:B:ALA:HB1	1:51:B:ARG:H	6	0.54
(1,2731)	1:52:A:ALA:HB1	1:51:A:ARG:H	6	0.54
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	15	0.54
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG22	9	0.54
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG22	14	0.54
(1,2634)	1:14:B:LEU:HD11	1:54:B:LEU:HA	7	0.54
(1,2633)	1:14:A:LEU:HD11	1:54:A:LEU:HA	7	0.54
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD12	5	0.54
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD12	5	0.54
(1,2620)	1:54:B:LEU:HD13	1:14:B:LEU:HD11	11	0.54
(1,2620)	1:54:B:LEU:HD12	1:14:B:LEU:HD11	13	0.54
(1,2619)	1:54:A:LEU:HD13	1:14:A:LEU:HD11	11	0.54
(1,2619)	1:54:A:LEU:HD12	1:14:A:LEU:HD11	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	1	0.54
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	14	0.54
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	3	0.54
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD13	15	0.54
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD13	15	0.54
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	3	0.54
(1,2376)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	11	0.54
(1,2375)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	11	0.54
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	15	0.54
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	15	0.54
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	8	0.54
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	8	0.54
(1,2198)	1:14:B:LEU:HD21	1:49:B:GLN:HB2	7	0.54
(1,2197)	1:14:A:LEU:HD21	1:49:A:GLN:HB2	7	0.54
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	5	0.54
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	5	0.54
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	13	0.54
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	5	0.54
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	13	0.54
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	4	0.54
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	4	0.54
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	12	0.54
(1,1824)	1:7:B:GLU:HG2	1:4:B:THR:HB	1	0.54
(1,1823)	1:7:A:GLU:HG2	1:4:A:THR:HB	1	0.54
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	1	0.54
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	1	0.54
(1,1688)	1:32:B:PHE:HB2	1:33:B:LYS:HG2	6	0.54
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	10	0.54
(1,1687)	1:32:A:PHE:HB2	1:33:A:LYS:HG2	6	0.54
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	8	0.54
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD12	8	0.54
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD12	8	0.54
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	9	0.54
(1,1582)	1:23:B:LEU:HB3	1:26:B:TYR:HD1	7	0.54
(1,1581)	1:23:A:LEU:HB3	1:26:A:TYR:HD1	7	0.54
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD12	10	0.54
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD12	10	0.54
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	7	0.54
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	15	0.54
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	15	0.54
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	5	0.54
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	5	0.54
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD23	14	0.54
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD23	14	0.54
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG22	10	0.54
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	4	0.54
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	4	0.54
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	2	0.54
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	2	0.54
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	12	0.54
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD11	8	0.54
(1,991)	1:23:A:LEU:H	1:19:A:SER:HB3	15	0.54
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	13	0.54
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	13	0.54
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	4	0.54
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	4	0.54
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD12	11	0.54
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD12	5	0.54
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	11	0.54
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	4	0.54
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	4	0.54
(1,775)	1:67:A:GLY:H	1:64:A:TYR:HE2	12	0.54
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD21	6	0.54
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD21	6	0.54
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD12	9	0.54
(1,696)	1:62:B:LEU:H	1:62:B:LEU:HD13	14	0.54
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD12	9	0.54
(1,695)	1:62:A:LEU:H	1:62:A:LEU:HD13	14	0.54
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	7	0.54
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	7	0.54
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	7	0.54
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	7	0.54
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB3	4	0.54
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB3	4	0.54
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	15	0.54
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD22	11	0.54
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD22	11	0.54
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	15	0.54
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	9	0.54
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	9	0.54
(1,304)	1:26:B:TYR:H	1:43:B:LEU:HD23	8	0.54
(1,303)	1:26:A:TYR:H	1:43:A:LEU:HD23	8	0.54
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	5	0.54
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	5	0.54
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	12	0.54
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	12	0.54
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	8	0.53
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	8	0.53
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	15	0.53
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD12	5	0.53
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB2	4	0.53
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG22	10	0.53
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	11	0.53
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	3	0.53
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	12	0.53
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG23	14	0.53
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	7	0.53
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	1	0.53
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	11	0.53
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	11	0.53
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	6	0.53
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	6	0.53
(2,4597)	1:54:A:LEU:HD21	1:17:A:HIS:HD2	6	0.53
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	10	0.53
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD13	10	0.53
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD13	10	0.53
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	15	0.53
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD22	6	0.53
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	12	0.53
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG21	1	0.53
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG23	3	0.53
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG21	5	0.53
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG21	5	0.53
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	9	0.53
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	9	0.53
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG22	11	0.53
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG22	15	0.53
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD23	2	0.53
(2,3850)	1:43:B:LEU:HD22	1:21:B:LEU:H	14	0.53
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	8	0.53
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	9	0.53
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	8	0.53
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	9	0.53
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD2	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD2	12	0.53
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	6	0.53
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	6	0.53
(2,3328)	1:2:B:PRO:HG2	1:8:B:LEU:HB3	5	0.53
(2,3327)	1:2:A:PRO:HG2	1:8:A:LEU:HB3	5	0.53
(2,3272)	1:51:B:ARG:HD2	1:48:B:PRO:HG2	14	0.53
(2,3271)	1:51:A:ARG:HD2	1:48:A:PRO:HG2	14	0.53
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	2	0.53
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	9	0.53
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	9	0.53
(2,2826)	1:25:B:GLY:HA3	1:27:B:GLN:HG2	15	0.53
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	12	0.53
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	12	0.53
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	10	0.53
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	10	0.53
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG22	6	0.53
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	11	0.53
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD23	15	0.53
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD11	1	0.53
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	15	0.53
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	3	0.53
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	13	0.53
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	3	0.53
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	13	0.53
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	3	0.53
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	3	0.53
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	3	0.53
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	3	0.53
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	2	0.53
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	15	0.53
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	2	0.53
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	15	0.53
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	6	0.53
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	6	0.53
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG21	8	0.53
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG21	11	0.53
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG21	8	0.53
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	15	0.53
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	10	0.53
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	14	0.53
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	1	0.53
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	1	0.53
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	14	0.53
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	4	0.53
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	12	0.53
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	7	0.53
(1,3178)	1:53:B:LYS:HD2	1:51:A:ARG:HB2	5	0.53
(1,3177)	1:53:A:LYS:HD2	1:51:B:ARG:HB2	5	0.53
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	1	0.53
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD11	10	0.53
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	5	0.53
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	6	0.53
(1,3052)	1:6:B:HIS:HD2	1:15:B:GLU:HB2	10	0.53
(1,3051)	1:6:A:HIS:HD2	1:15:A:GLU:HB2	10	0.53
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	6	0.53
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	6	0.53
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	10	0.53
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	10	0.53
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	14	0.53
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	14	0.53
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	14	0.53
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD13	12	0.53
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	1	0.53
(1,2844)	1:45:B:ILE:HD13	1:54:B:LEU:HB2	4	0.53
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	1	0.53
(1,2843)	1:45:A:ILE:HD13	1:54:A:LEU:HB2	4	0.53
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD11	12	0.53
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD11	12	0.53
(1,2822)	1:14:B:LEU:HB3	1:12:B:ILE:HD12	7	0.53
(1,2821)	1:14:A:LEU:HB3	1:12:A:ILE:HD12	7	0.53
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD12	8	0.53
(1,2736)	1:58:B:ALA:HB3	1:54:B:LEU:HD13	13	0.53
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD11	14	0.53
(1,2735)	1:58:A:ALA:HB3	1:54:A:LEU:HD13	13	0.53
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD11	14	0.53
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	3	0.53
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	3	0.53
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	3	0.53
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	6	0.53
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	7	0.53
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	7	0.53
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG22	9	0.53
(1,2683)	1:66:A:THR:HG23	1:67:B:GLY:HA3	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD12	13	0.53
(1,2642)	1:55:B:LEU:HD13	1:58:B:ALA:HB2	7	0.53
(1,2641)	1:55:A:LEU:HD13	1:58:A:ALA:HB2	7	0.53
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD11	2	0.53
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD11	2	0.53
(1,2612)	1:43:B:LEU:HD12	1:20:B:THR:HG23	7	0.53
(1,2611)	1:43:A:LEU:HD12	1:20:A:THR:HG23	7	0.53
(1,2594)	1:60:B:LEU:HD13	1:12:A:ILE:HG12	6	0.53
(1,2594)	1:60:B:LEU:HD11	1:12:A:ILE:HG12	8	0.53
(1,2593)	1:60:A:LEU:HD13	1:12:B:ILE:HG12	7	0.53
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	14	0.53
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD22	9	0.53
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD22	9	0.53
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	10	0.53
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	10	0.53
(1,2490)	1:35:B:LEU:HD13	1:40:B:LEU:HG	13	0.53
(1,2489)	1:35:A:LEU:HD13	1:40:A:LEU:HG	13	0.53
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD11	12	0.53
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD11	12	0.53
(1,2390)	1:35:B:LEU:HD21	1:40:B:LEU:HA	6	0.53
(1,2389)	1:35:A:LEU:HD21	1:40:A:LEU:HA	6	0.53
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	2	0.53
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	2	0.53
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	5	0.53
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	5	0.53
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	5	0.53
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	15	0.53
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	15	0.53
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	1	0.53
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	1	0.53
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	13	0.53
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	5	0.53
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	12	0.53
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD21	12	0.53
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	8	0.53
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	13	0.53
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	10	0.53
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	13	0.53
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD13	15	0.53
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD13	15	0.53
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	12	0.53
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	7	0.53
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB2	9	0.53
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB2	9	0.53
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	14	0.53
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	14	0.53
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	14	0.53
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	14	0.53
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	10	0.53
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	10	0.53
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	7	0.53
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	12	0.53
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	7	0.53
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	13	0.53
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	13	0.53
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	6	0.53
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	6	0.53
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	1	0.53
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	1	0.53
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD11	8	0.53
(1,979)	1:23:A:LEU:H	1:19:A:SER:HB2	1	0.53
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	2	0.53
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	8	0.53
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	2	0.53
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	8	0.53
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD12	11	0.53
(1,939)	1:38:A:THR:HA	1:55:A:LEU:HD11	1	0.53
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	6	0.53
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD2	14	0.53
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	8	0.53
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD2	14	0.53
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	15	0.53
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG22	2	0.53
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG22	2	0.53
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	5	0.53
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	5	0.53
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	5	0.53
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	10	0.53
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	5	0.53
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	10	0.53
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB1	1	0.53
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	8	0.53
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	15	0.53
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	2	0.53
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	11	0.53
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD11	1	0.53
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD11	1	0.53
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	8	0.53
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	10	0.53
(1,60)	1:3:B:LYS:H	1:69:A:GLU:HA	6	0.53
(1,59)	1:3:A:LYS:H	1:69:B:GLU:HA	6	0.53
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD21	12	0.52
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	12	0.52
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD21	15	0.52
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD13	7	0.52
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	10	0.52
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	12	0.52
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	10	0.52
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB1	5	0.52
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB1	6	0.52
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	13	0.52
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG23	4	0.52
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG23	14	0.52
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG23	4	0.52
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD2	9	0.52
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD2	9	0.52
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	12	0.52
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	7	0.52
(2,4661)	1:6:A:HIS:HD2	1:18:A:THR:HA	8	0.52
(2,4598)	1:54:B:LEU:HD21	1:17:B:HIS:HD2	6	0.52
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	11	0.52
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	11	0.52
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	2	0.52
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	2	0.52
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	6	0.52
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	11	0.52
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	6	0.52
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	11	0.52
(2,4294)	1:8:B:LEU:HD12	1:2:B:PRO:HG2	9	0.52
(2,4293)	1:8:A:LEU:HD12	1:2:A:PRO:HG2	9	0.52
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	15	0.52
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG21	1	0.52
(2,4082)	1:12:B:ILE:HG23	1:56:A:THR:HB	4	0.52
(2,4082)	1:12:B:ILE:HG22	1:56:A:THR:HB	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4081)	1:12:A:ILE:HG23	1:56:B:THR:HB	4	0.52
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	7	0.52
(2,4081)	1:12:A:ILE:HG22	1:56:B:THR:HB	8	0.52
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	15	0.52
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	8	0.52
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	8	0.52
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	8	0.52
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	8	0.52
(2,3915)	1:14:A:LEU:HD13	1:50:A:HIS:HD2	9	0.52
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD23	2	0.52
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD21	5	0.52
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD21	5	0.52
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	11	0.52
(2,3542)	1:8:B:LEU:HD11	1:12:B:ILE:HD11	2	0.52
(2,3541)	1:8:A:LEU:HD11	1:12:A:ILE:HD11	2	0.52
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	7	0.52
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	14	0.52
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	7	0.52
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	2	0.52
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	2	0.52
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	2	0.52
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	11	0.52
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	14	0.52
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	14	0.52
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	10	0.52
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	10	0.52
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	2	0.52
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	9	0.52
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	9	0.52
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD23	15	0.52
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	1	0.52
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	2	0.52
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	1	0.52
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	2	0.52
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	8	0.52
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	8	0.52
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	11	0.52
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	2	0.52
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	2	0.52
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG22	8	0.52
(2,1303)	1:18:A:THR:H	1:15:A:GLU:HB3	1	0.52
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	4	0.52
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	13	0.52
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	12	0.52
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	12	0.52
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	1	0.52
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	3	0.52
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	6	0.52
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	6	0.52
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	14	0.52
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	6	0.52
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	6	0.52
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	10	0.52
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	10	0.52
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	4	0.52
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	14	0.52
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	15	0.52
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	1	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	1	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	3	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD11	6	0.52
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	11	0.52
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	2	0.52
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	6	0.52
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	6	0.52
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD13	12	0.52
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD13	8	0.52
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD13	3	0.52
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD13	8	0.52
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD13	3	0.52
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD13	3	0.52
(1,2784)	1:12:B:ILE:HG23	1:61:A:LEU:H	2	0.52
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB3	5	0.52
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB3	5	0.52
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	11	0.52
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	11	0.52
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD12	8	0.52
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	9	0.52
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	15	0.52
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	8	0.52
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG21	13	0.52
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG22	3	0.52
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG21	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	10	0.52
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	1	0.52
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	7	0.52
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD11	10	0.52
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD11	10	0.52
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD12	13	0.52
(1,2642)	1:55:B:LEU:HD11	1:58:B:ALA:HB2	13	0.52
(1,2641)	1:55:A:LEU:HD11	1:58:A:ALA:HB2	13	0.52
(1,2616)	1:20:B:THR:HG23	1:43:B:LEU:HA	7	0.52
(1,2615)	1:20:A:THR:HG23	1:43:A:LEU:HA	7	0.52
(1,2593)	1:60:A:LEU:HD11	1:12:B:ILE:HG12	8	0.52
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	8	0.52
(1,2389)	1:35:A:LEU:HD23	1:40:A:LEU:HA	4	0.52
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	6	0.52
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	6	0.52
(1,2322)	1:35:B:LEU:HG	1:40:B:LEU:HB2	4	0.52
(1,2321)	1:35:A:LEU:HG	1:40:A:LEU:HB2	4	0.52
(1,2318)	1:9:B:LEU:HD21	1:20:B:THR:HB	1	0.52
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	4	0.52
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	5	0.52
(1,2317)	1:9:A:LEU:HD21	1:20:A:THR:HB	1	0.52
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	4	0.52
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	2	0.52
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	2	0.52
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	2	0.52
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	2	0.52
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	15	0.52
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD21	12	0.52
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	7	0.52
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	7	0.52
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	14	0.52
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	12	0.52
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	11	0.52
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD21	9	0.52
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD13	15	0.52
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	9	0.52
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	9	0.52
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB2	2	0.52
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB2	2	0.52
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	1	0.52
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	1	0.52
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	7	0.52
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	11	0.52
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	2	0.52
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	7	0.52
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	11	0.52
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	13	0.52
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	13	0.52
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD1	3	0.52
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD1	3	0.52
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	9	0.52
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	9	0.52
(1,980)	1:23:B:LEU:H	1:19:B:SER:HB2	1	0.52
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	6	0.52
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	6	0.52
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD13	3	0.52
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	6	0.52
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	6	0.52
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	1	0.52
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	1	0.52
(1,940)	1:38:B:THR:HA	1:55:B:LEU:HD11	1	0.52
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	8	0.52
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	8	0.52
(1,822)	1:27:B:GLN:HE22	1:22:B:LEU:HD21	8	0.52
(1,821)	1:27:A:GLN:HE22	1:22:A:LEU:HD21	8	0.52
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE1	4	0.52
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	8	0.52
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	2	0.52
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	2	0.52
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD13	13	0.52
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD11	14	0.52
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD13	13	0.52
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD11	14	0.52
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB2	9	0.52
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB2	9	0.52
(1,645)	1:58:A:ALA:H	1:59:A:GLU:HG3	10	0.52
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	7	0.52
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB1	1	0.52
(1,582)	1:54:B:LEU:H	1:57:B:ALA:HB2	5	0.52
(1,581)	1:54:A:LEU:H	1:57:A:ALA:HB2	5	0.52
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD22	1	0.52
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	9	0.52
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD22	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	2	0.52
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	2	0.52
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	7	0.52
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	14	0.52
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	11	0.52
(1,294)	1:25:B:GLY:H	1:23:B:LEU:HD21	4	0.52
(1,293)	1:25:A:GLY:H	1:23:A:LEU:HD21	4	0.52
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD22	13	0.52
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	8	0.52
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	7	0.52
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	15	0.52
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	7	0.52
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	15	0.52
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	3	0.52
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	10	0.52
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	3	0.52
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	7	0.51
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD11	6	0.51
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD11	6	0.51
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	12	0.51
(2,4838)	1:12:B:ILE:HD13	1:52:A:ALA:HB2	15	0.51
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	13	0.51
(2,4826)	1:55:B:LEU:HD21	1:53:A:LYS:HE3	5	0.51
(2,4825)	1:55:A:LEU:HD21	1:53:B:LYS:HE3	5	0.51
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE2	11	0.51
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG23	1	0.51
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG23	1	0.51
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	1	0.51
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG22	10	0.51
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	7	0.51
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD2	3	0.51
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD1	12	0.51
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	12	0.51
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	10	0.51
(2,4751)	1:60:A:LEU:HD12	1:11:B:ARG:HD3	7	0.51
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	7	0.51
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	1	0.51
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	5	0.51
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	11	0.51
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	11	0.51
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	5	0.51
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	2	0.51
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	8	0.51
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD1	9	0.51
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	1	0.51
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	1	0.51
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	6	0.51
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	10	0.51
(2,4082)	1:12:B:ILE:HG23	1:56:A:THR:HB	2	0.51
(2,4081)	1:12:A:ILE:HG23	1:56:B:THR:HB	2	0.51
(2,3938)	1:37:B:GLU:HA	1:55:B:LEU:HD13	8	0.51
(2,3937)	1:37:A:GLU:HA	1:55:A:LEU:HD13	8	0.51
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD12	7	0.51
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD12	7	0.51
(2,3916)	1:14:B:LEU:HD13	1:50:B:HIS:HD2	9	0.51
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	4	0.51
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	5	0.51
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	10	0.51
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	4	0.51
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	5	0.51
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	10	0.51
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	11	0.51
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	7	0.51
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	14	0.51
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	7	0.51
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	14	0.51
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD1	4	0.51
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	1	0.51
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	1	0.51
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	14	0.51
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	14	0.51
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	14	0.51
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	3	0.51
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	10	0.51
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	15	0.51
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	3	0.51
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	10	0.51
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	11	0.51
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	15	0.51
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD13	8	0.51
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD13	8	0.51
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	3	0.51
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	3	0.51
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	4	0.51
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	5	0.51
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	3	0.51
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	4	0.51
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	5	0.51
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	2	0.51
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG22	6	0.51
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	5	0.51
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	5	0.51
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD11	5	0.51
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD11	5	0.51
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	11	0.51
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	8	0.51
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG22	8	0.51
(2,1304)	1:18:B:THR:H	1:15:B:GLU:HB3	1	0.51
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	9	0.51
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	5	0.51
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	9	0.51
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	13	0.51
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	13	0.51
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	13	0.51
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD11	13	0.51
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD11	13	0.51
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD13	9	0.51
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	11	0.51
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	10	0.51
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	10	0.51
(2,650)	1:34:B:GLU:H	1:34:B:GLU:HG3	9	0.51
(2,649)	1:34:A:GLU:H	1:34:A:GLU:HG3	9	0.51
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	8	0.51
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	8	0.51
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	1	0.51
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	1	0.51
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	4	0.51
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	1	0.51
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	3	0.51
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	4	0.51
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD23	13	0.51
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD23	13	0.51
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	14	0.51
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD23	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	6	0.51
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD23	13	0.51
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	1	0.51
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	3	0.51
(1,3174)	1:11:B:ARG:HD2	1:62:A:LEU:HG	13	0.51
(1,3158)	1:66:B:THR:HG22	1:63:A:ASP:HB3	2	0.51
(1,3157)	1:66:A:THR:HG22	1:63:B:ASP:HB3	2	0.51
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	5	0.51
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	2	0.51
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	6	0.51
(1,3022)	1:64:B:TYR:HE1	1:65:A:ASP:H	6	0.51
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	7	0.51
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	11	0.51
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	7	0.51
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	11	0.51
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	10	0.51
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	10	0.51
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG21	13	0.51
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD13	3	0.51
(1,2788)	1:46:B:MET:HE3	1:46:B:MET:H	10	0.51
(1,2787)	1:46:A:MET:HE3	1:46:A:MET:H	10	0.51
(1,2783)	1:12:A:ILE:HG23	1:61:B:LEU:H	2	0.51
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	1	0.51
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	7	0.51
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	14	0.51
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	1	0.51
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	7	0.51
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	9	0.51
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	14	0.51
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	3	0.51
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	4	0.51
(1,2721)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	10	0.51
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	4	0.51
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	6	0.51
(1,2715)	1:52:A:ALA:HB2	1:12:B:ILE:HD13	15	0.51
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG22	3	0.51
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG21	5	0.51
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG22	6	0.51
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	1	0.51
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG21	4	0.51
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	10	0.51
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	7	0.51
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD13	13	0.51
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD13	13	0.51
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	5	0.51
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	14	0.51
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	15	0.51
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	5	0.51
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	15	0.51
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD12	4	0.51
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD12	4	0.51
(1,2594)	1:60:B:LEU:HD13	1:12:A:ILE:HG12	7	0.51
(1,2569)	1:40:A:LEU:HD11	1:45:A:ILE:H	3	0.51
(1,2484)	1:35:B:LEU:HD13	1:54:B:LEU:HD21	12	0.51
(1,2483)	1:35:A:LEU:HD13	1:54:A:LEU:HD21	12	0.51
(1,2390)	1:35:B:LEU:HD23	1:40:B:LEU:HA	4	0.51
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	10	0.51
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	10	0.51
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	8	0.51
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	8	0.51
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	14	0.51
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	14	0.51
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	8	0.51
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	8	0.51
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	2	0.51
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	11	0.51
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	11	0.51
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	14	0.51
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	6	0.51
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	2	0.51
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD21	9	0.51
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD13	15	0.51
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	9	0.51
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	12	0.51
(1,1380)	1:13:B:GLY:HA2	1:14:B:LEU:HG	13	0.51
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	12	0.51
(1,1379)	1:13:A:GLY:HA2	1:14:A:LEU:HG	13	0.51
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	2	0.51
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	2	0.51
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	12	0.51
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	14	0.51
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	15	0.51
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	14	0.51
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	15	0.51
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	6	0.51
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	14	0.51
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	6	0.51
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	14	0.51
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	13	0.51
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	13	0.51
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	12	0.51
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD13	3	0.51
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	6	0.51
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE1	4	0.51
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	7	0.51
(1,646)	1:58:B:ALA:H	1:59:B:GLU:HG3	10	0.51
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	10	0.51
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	7	0.51
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	9	0.51
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	11	0.51
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	4	0.51
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	11	0.51
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	13	0.51
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	2	0.51
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	7	0.51
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	14	0.51
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	9	0.51
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	9	0.51
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	11	0.51
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD21	5	0.51
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD22	13	0.51
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD21	5	0.51
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	1	0.51
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	1	0.51
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	1	0.51
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	7	0.5
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	7	0.5
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	15	0.5
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB1	2	0.5
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB1	2	0.5
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB1	5	0.5
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	9	0.5
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	1	0.5
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD1	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	10	0.5
(2,4752)	1:60:B:LEU:HD12	1:11:A:ARG:HD3	7	0.5
(2,4751)	1:60:A:LEU:HD12	1:11:B:ARG:HD3	6	0.5
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB1	4	0.5
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	13	0.5
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	7	0.5
(2,4735)	1:12:A:ILE:HG22	1:59:B:GLU:HB3	10	0.5
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	2	0.5
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	8	0.5
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	12	0.5
(2,4638)	1:43:B:LEU:HD12	1:39:B:HIS:HD2	14	0.5
(2,4637)	1:43:A:LEU:HD12	1:39:A:HIS:HD2	8	0.5
(2,4637)	1:43:A:LEU:HD12	1:39:A:HIS:HD2	14	0.5
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	9	0.5
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	4	0.5
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	9	0.5
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD2	9	0.5
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD2	9	0.5
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD1	9	0.5
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	8	0.5
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	8	0.5
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE2	15	0.5
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE2	15	0.5
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	9	0.5
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	1	0.5
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	9	0.5
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	9	0.5
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	9	0.5
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	14	0.5
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	1	0.5
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	8	0.5
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	6	0.5
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	10	0.5
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG23	13	0.5
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG23	13	0.5
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	7	0.5
(2,4082)	1:12:B:ILE:HG22	1:56:A:THR:HB	10	0.5
(2,4082)	1:12:B:ILE:HG23	1:56:A:THR:HB	13	0.5
(2,4081)	1:12:A:ILE:HG22	1:56:B:THR:HB	10	0.5
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG22	5	0.5
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG23	15	0.5
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG22	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG22	10	0.5
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD23	14	0.5
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD23	14	0.5
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	3	0.5
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	3	0.5
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD13	5	0.5
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD13	5	0.5
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD1	3	0.5
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD2	9	0.5
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD1	3	0.5
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD1	4	0.5
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD2	9	0.5
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	6	0.5
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	6	0.5
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	11	0.5
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	1	0.5
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	7	0.5
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	1	0.5
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	7	0.5
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD13	6	0.5
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD13	6	0.5
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	1	0.5
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	1	0.5
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	9	0.5
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	9	0.5
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB1	12	0.5
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB1	12	0.5
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	6	0.5
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG21	13	0.5
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	5	0.5
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	5	0.5
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	13	0.5
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	13	0.5
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	7	0.5
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	7	0.5
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	8	0.5
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	5	0.5
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	8	0.5
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	14	0.5
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	8	0.5
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	14	0.5
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD13	9	0.5
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	11	0.5
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	5	0.5
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	5	0.5
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	10	0.5
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	11	0.5
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD11	6	0.5
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD11	6	0.5
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	13	0.5
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	13	0.5
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	1	0.5
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	7	0.5
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	1	0.5
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	7	0.5
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD12	15	0.5
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD23	13	0.5
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	4	0.5
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	15	0.5
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	8	0.5
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	3	0.5
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	14	0.5
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	12	0.5
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	12	0.5
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD1	2	0.5
(1,2995)	1:64:A:TYR:HD1	1:61:B:LEU:HD22	11	0.5
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	2	0.5
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	1	0.5
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	2	0.5
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG22	3	0.5
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG22	3	0.5
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG21	13	0.5
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	14	0.5
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	14	0.5
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	4	0.5
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	5	0.5
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	9	0.5
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	4	0.5
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	5	0.5
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	9	0.5
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	12	0.5
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	7	0.5
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	12	0.5
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB1	8	0.5
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	2	0.5
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	2	0.5
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	8	0.5
(1,2722)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	10	0.5
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	4	0.5
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	4	0.5
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	1	0.5
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG21	4	0.5
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG21	5	0.5
(1,2672)	1:7:B:GLU:HA	1:4:B:THR:HG22	7	0.5
(1,2671)	1:7:A:GLU:HA	1:4:A:THR:HG22	7	0.5
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	13	0.5
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD13	3	0.5
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD13	3	0.5
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD11	12	0.5
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	14	0.5
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD13	15	0.5
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD13	15	0.5
(1,2593)	1:60:A:LEU:HD13	1:12:B:ILE:HG12	6	0.5
(1,2570)	1:40:B:LEU:HD11	1:45:B:ILE:H	3	0.5
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	1	0.5
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	1	0.5
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD21	1	0.5
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD21	1	0.5
(1,2376)	1:35:B:LEU:HD21	1:21:B:LEU:HD13	6	0.5
(1,2375)	1:35:A:LEU:HD21	1:21:A:LEU:HD13	6	0.5
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	3	0.5
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	3	0.5
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	3	0.5
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	3	0.5
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	1	0.5
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	15	0.5
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	15	0.5
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	2	0.5
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	9	0.5
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	9	0.5
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	2	0.5
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	14	0.5
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	14	0.5
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	10	0.5
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	12	0.5
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	12	0.5
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD21	10	0.5
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	15	0.5
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	9	0.5
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	9	0.5
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	3	0.5
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	6	0.5
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	9	0.5
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	12	0.5
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	3	0.5
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	9	0.5
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	12	0.5
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	15	0.5
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	7	0.5
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	12	0.5
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	6	0.5
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	12	0.5
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	6	0.5
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	14	0.5
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	14	0.5
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD12	6	0.5
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB3	9	0.5
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB3	9	0.5
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	2	0.5
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	11	0.5
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	9	0.5
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD23	2	0.5
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	8	0.5
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	1	0.5
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD13	7	0.5
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	1	0.5
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	7	0.5
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	7	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	1	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	2	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	3	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	5	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	6	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	7	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	10	0.5
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	11	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	1	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	2	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	3	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	5	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	6	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	7	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	8	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	9	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	10	0.5
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	11	0.5
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD12	6	0.5
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	14	0.5
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	14	0.5
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	4	0.5
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	14	0.5
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	4	0.5
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	14	0.5
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	12	0.5
(1,978)	1:19:B:SER:HB2	1:18:B:THR:HA	15	0.5
(1,977)	1:19:A:SER:HB2	1:18:A:THR:HA	15	0.5
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	11	0.5
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	15	0.5
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	1	0.5
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	1	0.5
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	5	0.5
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	10	0.5
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD21	7	0.5
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	4	0.5
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	5	0.5
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	7	0.5
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	13	0.5
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	5	0.5
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	10	0.5
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	6	0.5
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	14	0.5
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	1	0.5
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	8	0.5
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	8	0.5
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	4	0.5
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	4	0.5
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	9	0.5
(2,4922)	1:61:B:LEU:HB3	1:60:A:LEU:HD22	13	0.49
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	15	0.49
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	7	0.49
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG23	13	0.49
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	9	0.49
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE2	4	0.49
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	5	0.49
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	11	0.49
(2,4764)	1:8:B:LEU:HD22	1:64:A:TYR:HD2	6	0.49
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD1	12	0.49
(2,4752)	1:60:B:LEU:HD12	1:11:A:ARG:HD3	6	0.49
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB1	4	0.49
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	13	0.49
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	5	0.49
(2,4736)	1:12:B:ILE:HG22	1:59:A:GLU:HB3	10	0.49
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	3	0.49
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	7	0.49
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	6	0.49
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	12	0.49
(2,4638)	1:43:B:LEU:HD12	1:39:B:HIS:HD2	8	0.49
(2,4638)	1:43:B:LEU:HD12	1:39:B:HIS:HD2	12	0.49
(2,4637)	1:43:A:LEU:HD12	1:39:A:HIS:HD2	12	0.49
(2,4631)	1:39:A:HIS:HD2	1:36:A:ARG:HB3	4	0.49
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	4	0.49
(2,4472)	1:35:B:LEU:HD13	1:32:B:PHE:HE2	7	0.49
(2,4471)	1:35:A:LEU:HD13	1:32:A:PHE:HE2	7	0.49
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	14	0.49
(2,4081)	1:12:A:ILE:HG23	1:56:B:THR:HB	13	0.49
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG22	5	0.49
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG23	15	0.49
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD11	15	0.49
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD21	1	0.49
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	2	0.49
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD21	1	0.49
(2,3556)	1:8:B:LEU:HD13	1:32:B:PHE:HZ	13	0.49
(2,3542)	1:8:B:LEU:HD13	1:12:B:ILE:HD11	10	0.49
(2,3541)	1:8:A:LEU:HD13	1:12:A:ILE:HD11	10	0.49
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	12	0.49
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	12	0.49
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	14	0.49
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	14	0.49
(2,2666)	1:44:B:ASN:HB3	1:44:B:ASN:HD22	5	0.49
(2,2665)	1:44:A:ASN:HB3	1:44:A:ASN:HD22	5	0.49
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	7	0.49
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	7	0.49
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	6	0.49
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG21	13	0.49
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD21	11	0.49
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD21	11	0.49
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	6	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	2	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	3	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	6	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	7	0.49
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	12	0.49
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	2	0.49
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	3	0.49
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	6	0.49
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	7	0.49
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	11	0.49
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	3	0.49
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	10	0.49
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD23	6	0.49
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	2	0.49
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	2	0.49
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	14	0.49
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	10	0.49
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	11	0.49
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD12	10	0.49
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	2	0.49
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	8	0.49
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	8	0.49
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	4	0.49
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	5	0.49
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	9	0.49
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	13	0.49
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	4	0.49
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	5	0.49
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	9	0.49
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	13	0.49
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD12	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	1	0.49
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD23	5	0.49
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	9	0.49
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	11	0.49
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	4	0.49
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	9	0.49
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	10	0.49
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD11	6	0.49
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	14	0.49
(1,3107)	1:53:A:LYS:HE3	1:56:B:THR:HB	5	0.49
(1,3038)	1:54:B:LEU:HD12	1:50:B:HIS:HD2	13	0.49
(1,3037)	1:54:A:LEU:HD12	1:50:A:HIS:HD2	13	0.49
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD1	2	0.49
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	1	0.49
(1,2906)	1:56:B:THR:HG21	1:60:B:LEU:HB2	4	0.49
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	5	0.49
(1,2905)	1:56:A:THR:HG21	1:60:A:LEU:HB2	4	0.49
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	5	0.49
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	9	0.49
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG22	11	0.49
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	9	0.49
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG22	11	0.49
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	13	0.49
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	13	0.49
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	2	0.49
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	2	0.49
(1,2805)	1:45:A:ILE:HG21	1:40:A:LEU:HA	13	0.49
(1,2790)	1:46:B:MET:HE1	1:44:B:ASN:H	8	0.49
(1,2789)	1:46:A:MET:HE1	1:44:A:ASN:H	8	0.49
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE2	5	0.49
(1,2788)	1:46:B:MET:HE2	1:46:B:MET:H	13	0.49
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE3	11	0.49
(1,2787)	1:46:A:MET:HE2	1:46:A:MET:H	13	0.49
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	5	0.49
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB1	8	0.49
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	12	0.49
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD13	12	0.49
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD13	12	0.49
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	5	0.49
(1,2732)	1:52:B:ALA:HB1	1:51:B:ARG:H	10	0.49
(1,2732)	1:52:B:ALA:HB2	1:51:B:ARG:H	11	0.49
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:52:A:ALA:HB2	1:51:A:ARG:H	11	0.49
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	9	0.49
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	9	0.49
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	11	0.49
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG22	6	0.49
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	11	0.49
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	13	0.49
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD11	12	0.49
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD12	14	0.49
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD12	14	0.49
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	14	0.49
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	14	0.49
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD11	7	0.49
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD11	7	0.49
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD11	10	0.49
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	10	0.49
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	12	0.49
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	12	0.49
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	2	0.49
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	2	0.49
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	5	0.49
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	1	0.49
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	5	0.49
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	10	0.49
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	10	0.49
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	4	0.49
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	14	0.49
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	2	0.49
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	4	0.49
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	14	0.49
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	5	0.49
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	5	0.49
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	2	0.49
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	2	0.49
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD21	10	0.49
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	7	0.49
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	7	0.49
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	9	0.49
(1,1776)	1:26:B:TYR:HB2	1:22:B:LEU:HB3	3	0.49
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	5	0.49
(1,1775)	1:26:A:TYR:HB2	1:22:A:LEU:HB3	3	0.49
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	1	0.49
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	15	0.49
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	1	0.49
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	6	0.49
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	2	0.49
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	2	0.49
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	7	0.49
(1,1650)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	2	0.49
(1,1649)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	2	0.49
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD12	6	0.49
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD13	15	0.49
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	4	0.49
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	4	0.49
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	4	0.49
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	8	0.49
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	8	0.49
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	1	0.49
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	15	0.49
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	1	0.49
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	15	0.49
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD23	2	0.49
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	3	0.49
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	8	0.49
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	3	0.49
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD13	7	0.49
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	4	0.49
(1,1214)	1:9:B:LEU:HA	1:8:B:LEU:HA	8	0.49
(1,1213)	1:9:A:LEU:HA	1:8:A:LEU:HA	4	0.49
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	7	0.49
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	9	0.49
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	7	0.49
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	8	0.49
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	9	0.49
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	7	0.49
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	9	0.49
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD12	6	0.49
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	1	0.49
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	13	0.49
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	1	0.49
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	13	0.49
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	12	0.49
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	1	0.49
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	7	0.49
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	14	0.49
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	1	0.49
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	7	0.49
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	14	0.49
(1,775)	1:67:A:GLY:H	1:64:A:TYR:HE2	2	0.49
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	7	0.49
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	2	0.49
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	2	0.49
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	15	0.49
(1,608)	1:56:B:THR:H	1:56:A:THR:HG23	11	0.49
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	6	0.49
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	6	0.49
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD21	7	0.49
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	7	0.49
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	10	0.49
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	4	0.49
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	2	0.49
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	4	0.49
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	14	0.49
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	12	0.49
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	12	0.49
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	6	0.49
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	6	0.49
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD13	6	0.49
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD13	6	0.49
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	6	0.49
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	14	0.49
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	11	0.49
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	8	0.49
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	11	0.49
(1,112)	1:6:B:HIS:H	1:5:B:LEU:HG	6	0.49
(1,111)	1:6:A:HIS:H	1:5:A:LEU:HG	6	0.49
(2,4921)	1:61:A:LEU:HB3	1:60:B:LEU:HD22	13	0.48
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	12	0.48
(2,4846)	1:57:B:ALA:HB1	1:56:A:THR:HB	14	0.48
(2,4845)	1:57:A:ALA:HB1	1:56:B:THR:HB	14	0.48
(2,4837)	1:12:A:ILE:HD13	1:52:B:ALA:HB2	15	0.48
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG21	3	0.48
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE1	15	0.48
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE2	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE1	15	0.48
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	5	0.48
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	2	0.48
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD2	3	0.48
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	1	0.48
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	6	0.48
(2,4736)	1:12:B:ILE:HG23	1:59:A:GLU:HB3	13	0.48
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	11	0.48
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	4	0.48
(2,4690)	1:8:B:LEU:HD22	1:32:B:PHE:HZ	2	0.48
(2,4689)	1:8:A:LEU:HD22	1:32:A:PHE:HZ	2	0.48
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	14	0.48
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	14	0.48
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD2	3	0.48
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD2	3	0.48
(2,4360)	1:14:B:LEU:HD11	1:50:B:HIS:HE1	9	0.48
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	3	0.48
(2,4184)	1:19:B:SER:HB2	1:18:B:THR:HG21	13	0.48
(2,4183)	1:19:A:SER:HB2	1:18:A:THR:HG21	13	0.48
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD2	3	0.48
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD2	3	0.48
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	6	0.48
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	9	0.48
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	9	0.48
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG21	8	0.48
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG21	8	0.48
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	10	0.48
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	14	0.48
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	14	0.48
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG21	11	0.48
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	3	0.48
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	7	0.48
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD22	12	0.48
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	15	0.48
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	3	0.48
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	7	0.48
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD11	15	0.48
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	2	0.48
(2,3555)	1:8:A:LEU:HD13	1:32:A:PHE:HZ	13	0.48
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD1	13	0.48
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD1	13	0.48
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	5	0.48
(2,2666)	1:44:B:ASN:HB3	1:44:B:ASN:HD22	9	0.48
(2,2588)	1:40:B:LEU:HB2	1:51:B:ARG:HG3	14	0.48
(2,2587)	1:40:A:LEU:HB2	1:51:A:ARG:HG3	14	0.48
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	12	0.48
(2,2462)	1:63:B:ASP:HB3	1:60:B:LEU:HA	12	0.48
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG21	14	0.48
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	6	0.48
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	6	0.48
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	6	0.48
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	11	0.48
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	6	0.48
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	11	0.48
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	4	0.48
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	13	0.48
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	10	0.48
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	13	0.48
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	2	0.48
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	2	0.48
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD11	12	0.48
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG22	3	0.48
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG22	11	0.48
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG22	3	0.48
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG22	11	0.48
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	6	0.48
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	1	0.48
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	4	0.48
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	11	0.48
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	13	0.48
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	1	0.48
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	4	0.48
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	12	0.48
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	13	0.48
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	1	0.48
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	5	0.48
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	3	0.48
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	5	0.48
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	1	0.48
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD23	13	0.48
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	1	0.48
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD23	13	0.48
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD23	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD13	3	0.48
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD13	3	0.48
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	2	0.48
(2,649)	1:34:A:GLU:H	1:34:A:GLU:HG3	2	0.48
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	14	0.48
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD12	10	0.48
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD11	2	0.48
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	13	0.48
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD11	2	0.48
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	13	0.48
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	2	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	2	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	3	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	8	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	10	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	14	0.48
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	15	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	2	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	3	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	8	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	10	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	14	0.48
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	15	0.48
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	7	0.48
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	11	0.48
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	12	0.48
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	13	0.48
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	7	0.48
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	11	0.48
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	13	0.48
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	1	0.48
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD12	15	0.48
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	1	0.48
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD21	6	0.48
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	8	0.48
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	10	0.48
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD21	1	0.48
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	3	0.48
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	5	0.48
(1,3126)	1:11:B:ARG:HB3	1:60:A:LEU:HD11	13	0.48
(1,3125)	1:11:A:ARG:HB3	1:60:B:LEU:HD11	13	0.48
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:56:B:THR:HG22	1:60:B:LEU:HB2	3	0.48
(1,2905)	1:56:A:THR:HG22	1:60:A:LEU:HB2	3	0.48
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	9	0.48
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	8	0.48
(1,2872)	1:60:B:LEU:HG	1:56:B:THR:HG23	9	0.48
(1,2871)	1:60:A:LEU:HG	1:56:A:THR:HG23	8	0.48
(1,2844)	1:45:B:ILE:HD13	1:54:B:LEU:HB2	2	0.48
(1,2843)	1:45:A:ILE:HD13	1:54:A:LEU:HB2	2	0.48
(1,2806)	1:45:B:ILE:HG21	1:40:B:LEU:HA	13	0.48
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE3	11	0.48
(1,2786)	1:12:B:ILE:HG23	1:60:A:LEU:H	4	0.48
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	12	0.48
(1,2785)	1:12:A:ILE:HG23	1:60:B:LEU:H	4	0.48
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	7	0.48
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	1	0.48
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	15	0.48
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	15	0.48
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD13	7	0.48
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD13	7	0.48
(1,2731)	1:52:A:ALA:HB1	1:51:A:ARG:H	10	0.48
(1,2716)	1:52:B:ALA:HB2	1:12:A:ILE:HD13	15	0.48
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG21	15	0.48
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG21	15	0.48
(1,2684)	1:66:B:THR:HG23	1:67:A:GLY:HA3	6	0.48
(1,2594)	1:60:B:LEU:HD12	1:12:A:ILE:HG12	9	0.48
(1,2593)	1:60:A:LEU:HD12	1:12:B:ILE:HG12	9	0.48
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	8	0.48
(1,2494)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	12	0.48
(1,2493)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	12	0.48
(1,2490)	1:35:B:LEU:HD12	1:40:B:LEU:HG	11	0.48
(1,2489)	1:35:A:LEU:HD12	1:40:A:LEU:HG	11	0.48
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD12	2	0.48
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	3	0.48
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	3	0.48
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	11	0.48
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	11	0.48
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	9	0.48
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	9	0.48
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	6	0.48
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	6	0.48
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	2	0.48
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	15	0.48
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	15	0.48
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	7	0.48
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	1	0.48
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	15	0.48
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	4	0.48
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD13	15	0.48
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	13	0.48
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	13	0.48
(1,1438)	1:38:B:THR:H	1:36:B:ARG:HD3	4	0.48
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	5	0.48
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	5	0.48
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	12	0.48
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	12	0.48
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	2	0.48
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB2	6	0.48
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB3	11	0.48
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	8	0.48
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	5	0.48
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	4	0.48
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	7	0.48
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	4	0.48
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	9	0.48
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	8	0.48
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	8	0.48
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	6	0.48
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	6	0.48
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	5	0.48
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	6	0.48
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	12	0.48
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	15	0.48
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	2	0.48
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	1	0.48
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	8	0.48
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	1	0.48
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	8	0.48
(1,776)	1:67:B:GLY:H	1:64:B:TYR:HE2	2	0.48
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	3	0.48
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	3	0.48
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	11	0.48
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	11	0.48
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	15	0.48
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	11	0.48
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	14	0.48
(1,608)	1:56:B:THR:H	1:56:A:THR:HG23	15	0.48
(1,607)	1:56:A:THR:H	1:53:B:LYS:HG2	5	0.48
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	6	0.48
(1,607)	1:56:A:THR:H	1:53:B:LYS:HG2	15	0.48
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD22	2	0.48
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD22	13	0.48
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD22	2	0.48
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	10	0.48
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD22	13	0.48
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD22	10	0.48
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	4	0.48
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	4	0.48
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	10	0.48
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	10	0.48
(1,482)	1:42:B:GLU:H	1:40:B:LEU:HB3	8	0.48
(1,481)	1:42:A:GLU:H	1:40:A:LEU:HB3	8	0.48
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	2	0.48
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	8	0.48
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	14	0.48
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	8	0.48
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	1	0.48
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	5	0.48
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	15	0.48
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	5	0.48
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	15	0.48
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	5	0.48
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	5	0.48
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	8	0.48
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	5	0.48
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	3	0.48
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	11	0.48
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	3	0.48
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	11	0.48
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	2	0.48
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	11	0.48
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	2	0.48
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	11	0.48
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	12	0.47
(2,4851)	1:56:A:THR:HG23	1:8:B:LEU:HD11	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4851)	1:56:A:THR:HG22	1:8:B:LEU:HD11	14	0.47
(2,4850)	1:56:B:THR:HG23	1:12:A:ILE:HD12	6	0.47
(2,4846)	1:57:B:ALA:HB1	1:56:A:THR:HB	8	0.47
(2,4845)	1:57:A:ALA:HB1	1:56:B:THR:HB	8	0.47
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG21	3	0.47
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG23	13	0.47
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	1	0.47
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB1	6	0.47
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	12	0.47
(2,4823)	1:8:A:LEU:HD12	1:60:B:LEU:H	5	0.47
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE2	1	0.47
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG23	10	0.47
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG22	7	0.47
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG23	10	0.47
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	6	0.47
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	2	0.47
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	11	0.47
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD1	5	0.47
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	15	0.47
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	1	0.47
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	5	0.47
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	12	0.47
(2,4735)	1:12:A:ILE:HG23	1:59:B:GLU:HB3	13	0.47
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD11	9	0.47
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD11	9	0.47
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	4	0.47
(2,4680)	1:17:B:HIS:HE1	1:50:B:HIS:HB3	2	0.47
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	2	0.47
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	2	0.47
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	7	0.47
(2,4638)	1:43:B:LEU:HD11	1:39:B:HIS:HD2	3	0.47
(2,4637)	1:43:A:LEU:HD11	1:39:A:HIS:HD2	3	0.47
(2,4632)	1:39:B:HIS:HD2	1:36:B:ARG:HB3	4	0.47
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	7	0.47
(2,4450)	1:9:B:LEU:HD13	1:32:B:PHE:HD1	4	0.47
(2,4449)	1:9:A:LEU:HD13	1:32:A:PHE:HD1	4	0.47
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE1	6	0.47
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE1	6	0.47
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	4	0.47
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	6	0.47
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	4	0.47
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4359)	1:14:A:LEU:HD11	1:50:A:HIS:HE1	9	0.47
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	12	0.47
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	12	0.47
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	8	0.47
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	6	0.47
(2,4004)	1:9:B:LEU:HD22	1:18:B:THR:HG23	13	0.47
(2,4003)	1:9:A:LEU:HD22	1:18:A:THR:HG23	13	0.47
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG23	2	0.47
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	4	0.47
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG21	11	0.47
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	5	0.47
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	4	0.47
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	4	0.47
(2,3852)	1:24:B:ASN:HA	1:43:B:LEU:HD21	12	0.47
(2,3851)	1:24:A:ASN:HA	1:43:A:LEU:HD21	12	0.47
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD23	1	0.47
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD23	1	0.47
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD21	11	0.47
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	13	0.47
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD21	11	0.47
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	13	0.47
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	1	0.47
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD22	12	0.47
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	15	0.47
(2,3554)	1:8:B:LEU:HD11	1:32:B:PHE:HE1	9	0.47
(2,3553)	1:8:A:LEU:HD11	1:32:A:PHE:HE1	9	0.47
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD21	15	0.47
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD21	15	0.47
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD11	4	0.47
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD11	4	0.47
(2,2665)	1:44:A:ASN:HB3	1:44:A:ASN:HD22	9	0.47
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	12	0.47
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB2	13	0.47
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB2	13	0.47
(2,2461)	1:63:A:ASP:HB3	1:60:A:LEU:HA	12	0.47
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG21	14	0.47
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD11	10	0.47
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD11	10	0.47
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	3	0.47
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	10	0.47
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	3	0.47
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	10	0.47
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	15	0.47
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	15	0.47
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	10	0.47
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	13	0.47
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	13	0.47
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	4	0.47
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	4	0.47
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	14	0.47
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	14	0.47
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD11	12	0.47
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	12	0.47
(2,1158)	1:68:B:CYS:H	1:68:B:CYS:HB3	10	0.47
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	1	0.47
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD23	3	0.47
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	13	0.47
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	13	0.47
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	3	0.47
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	2	0.47
(2,658)	1:35:B:LEU:H	1:34:B:GLU:HB3	8	0.47
(2,657)	1:35:A:LEU:H	1:34:A:GLU:HB3	8	0.47
(2,650)	1:34:B:GLU:H	1:34:B:GLU:HG3	2	0.47
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD12	12	0.47
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD12	12	0.47
(2,602)	1:32:B:PHE:H	1:33:B:LYS:HG3	14	0.47
(2,594)	1:31:B:ASP:H	1:30:B:GLU:HB3	15	0.47
(2,593)	1:31:A:ASP:H	1:30:A:GLU:HB3	15	0.47
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	12	0.47
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	11	0.47
(2,496)	1:26:B:TYR:H	1:26:B:TYR:HB3	12	0.47
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	11	0.47
(2,495)	1:26:A:TYR:H	1:26:A:TYR:HB3	12	0.47
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	12	0.47
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD12	10	0.47
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD22	2	0.47
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	2	0.47
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD23	3	0.47
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	7	0.47
(1,3173)	1:11:A:ARG:HD2	1:62:B:LEU:HG	13	0.47
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	4	0.47
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	9	0.47
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	9	0.47
(1,3108)	1:53:B:LYS:HE3	1:56:A:THR:HB	5	0.47
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	13	0.47
(1,3021)	1:64:A:TYR:HE1	1:65:B:ASP:H	6	0.47
(1,3018)	1:32:B:PHE:HD1	1:33:B:LYS:HG3	14	0.47
(1,3017)	1:32:A:PHE:HD1	1:33:A:LYS:HG3	14	0.47
(1,3014)	1:35:B:LEU:HD13	1:32:B:PHE:HD2	7	0.47
(1,3013)	1:35:A:LEU:HD13	1:32:A:PHE:HD2	7	0.47
(1,2844)	1:45:B:ILE:HD12	1:51:B:ARG:HG3	6	0.47
(1,2843)	1:45:A:ILE:HD12	1:51:A:ARG:HG3	6	0.47
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	1	0.47
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	11	0.47
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	11	0.47
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE2	5	0.47
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	1	0.47
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	11	0.47
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	6	0.47
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	7	0.47
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	10	0.47
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	15	0.47
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	1	0.47
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	7	0.47
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	10	0.47
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	15	0.47
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD12	3	0.47
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD12	3	0.47
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	12	0.47
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG21	6	0.47
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	14	0.47
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	14	0.47
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	6	0.47
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	2	0.47
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	2	0.47
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD13	8	0.47
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD21	6	0.47
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD21	6	0.47
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD12	2	0.47
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD12	10	0.47
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD12	10	0.47
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD12	8	0.47
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD12	8	0.47
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD11	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD11	5	0.47
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	13	0.47
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	13	0.47
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	14	0.47
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	14	0.47
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	1	0.47
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	1	0.47
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	14	0.47
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	14	0.47
(1,2046)	1:17:B:HIS:HB3	1:9:B:LEU:HA	15	0.47
(1,2045)	1:17:A:HIS:HB3	1:9:A:LEU:HA	15	0.47
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	11	0.47
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	13	0.47
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	13	0.47
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	2	0.47
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	2	0.47
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	5	0.47
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	7	0.47
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	2	0.47
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	2	0.47
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	2	0.47
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	1	0.47
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD22	5	0.47
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	15	0.47
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	10	0.47
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	11	0.47
(1,1437)	1:38:A:THR:H	1:36:A:ARG:HD3	4	0.47
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	8	0.47
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	8	0.47
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	2	0.47
(1,1312)	1:65:B:ASP:HA	1:62:B:LEU:HA	4	0.47
(1,1311)	1:65:A:ASP:HA	1:62:A:LEU:HA	4	0.47
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	5	0.47
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	5	0.47
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	11	0.47
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB2	6	0.47
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	11	0.47
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	5	0.47
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	2	0.47
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	2	0.47
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	3	0.47
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	3	0.47
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	5	0.47
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	5	0.47
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	5	0.47
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD12	13	0.47
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD11	10	0.47
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD12	13	0.47
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	8	0.47
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	8	0.47
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	2	0.47
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	4	0.47
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	12	0.47
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	4	0.47
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	12	0.47
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	11	0.47
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	11	0.47
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	6	0.47
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	6	0.47
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	4	0.47
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	4	0.47
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB3	4	0.47
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB3	14	0.47
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB3	4	0.47
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB3	14	0.47
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	8	0.47
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	8	0.47
(1,607)	1:56:A:THR:H	1:56:B:THR:HG23	11	0.47
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	4	0.47
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	10	0.47
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	4	0.47
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD22	10	0.47
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD22	8	0.47
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD22	8	0.47
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	3	0.47
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	1	0.47
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	5	0.47
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	6	0.47
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	6	0.47
(1,59)	1:3:A:LYS:H	1:69:B:GLU:HA	12	0.47
(2,4906)	1:61:B:LEU:HD12	1:60:A:LEU:HB3	2	0.46
(2,4905)	1:61:A:LEU:HD12	1:60:B:LEU:HB3	2	0.46
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD13	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD11	11	0.46
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	11	0.46
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD13	3	0.46
(2,4852)	1:56:B:THR:HG23	1:8:A:LEU:HD11	12	0.46
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD13	3	0.46
(2,4835)	1:12:A:ILE:HD13	1:56:B:THR:HG22	7	0.46
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	1	0.46
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	12	0.46
(2,4825)	1:55:A:LEU:HD23	1:53:B:LYS:HE3	12	0.46
(2,4824)	1:8:B:LEU:HD12	1:60:A:LEU:H	5	0.46
(2,4820)	1:8:B:LEU:HD12	1:56:A:THR:HG22	5	0.46
(2,4764)	1:8:B:LEU:HD21	1:64:A:TYR:HD2	11	0.46
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD1	15	0.46
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD1	15	0.46
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	3	0.46
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	14	0.46
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	6	0.46
(2,4679)	1:17:A:HIS:HE1	1:50:A:HIS:HB3	2	0.46
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	7	0.46
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	7	0.46
(2,4597)	1:54:A:LEU:HD21	1:17:A:HIS:HD2	2	0.46
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	13	0.46
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	3	0.46
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	7	0.46
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	3	0.46
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	7	0.46
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	4	0.46
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD13	5	0.46
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD13	5	0.46
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	2	0.46
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	13	0.46
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	2	0.46
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	6	0.46
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	13	0.46
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	2	0.46
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	5	0.46
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	13	0.46
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	2	0.46
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	5	0.46
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	8	0.46
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	1	0.46
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	1	0.46
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	3	0.46
(2,4081)	1:12:A:ILE:HG21	1:56:B:THR:HB	11	0.46
(2,3996)	1:65:B:ASP:HA	1:66:B:THR:HG21	2	0.46
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG23	2	0.46
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	10	0.46
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	13	0.46
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	4	0.46
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	5	0.46
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD22	4	0.46
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	1	0.46
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD23	6	0.46
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD23	6	0.46
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD1	2	0.46
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD1	2	0.46
(2,3535)	1:35:A:LEU:HD21	1:26:A:TYR:HD1	5	0.46
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	6	0.46
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	6	0.46
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	8	0.46
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	8	0.46
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG21	12	0.46
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG21	12	0.46
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	12	0.46
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	12	0.46
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	10	0.46
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	6	0.46
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	6	0.46
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	7	0.46
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	7	0.46
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	2	0.46
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	1	0.46
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	2	0.46
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	10	0.46
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	13	0.46
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	10	0.46
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	13	0.46
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	8	0.46
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	12	0.46
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	8	0.46
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	12	0.46
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD12	7	0.46
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1157)	1:68:A:CYS:H	1:68:A:CYS:HB3	10	0.46
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD21	6	0.46
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD23	3	0.46
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD21	6	0.46
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	2	0.46
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD22	1	0.46
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	8	0.46
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	8	0.46
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD12	15	0.46
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD12	15	0.46
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	3	0.46
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	3	0.46
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	3	0.46
(2,601)	1:32:A:PHE:H	1:33:A:LYS:HG3	14	0.46
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	12	0.46
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	12	0.46
(2,51)	1:57:A:ALA:H	1:60:B:LEU:HD22	11	0.46
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	6	0.46
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	13	0.46
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	14	0.46
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	13	0.46
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	14	0.46
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	4	0.46
(1,3081)	1:60:A:LEU:HD13	1:11:B:ARG:HB3	5	0.46
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	13	0.46
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	8	0.46
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	1	0.46
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	5	0.46
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	1	0.46
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	5	0.46
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	2	0.46
(1,2996)	1:64:B:TYR:HD1	1:61:A:LEU:HD22	11	0.46
(1,2906)	1:56:B:THR:HG22	1:60:B:LEU:HB2	11	0.46
(1,2905)	1:56:A:THR:HG22	1:60:A:LEU:HB2	11	0.46
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD11	10	0.46
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD11	10	0.46
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD12	9	0.46
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD12	9	0.46
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	2	0.46
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	2	0.46
(1,2805)	1:45:A:ILE:HG23	1:40:A:LEU:HA	3	0.46
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE3	9	0.46
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	1	0.46
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	3	0.46
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB1	14	0.46
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	3	0.46
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB1	14	0.46
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	8	0.46
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	8	0.46
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	4	0.46
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	12	0.46
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	6	0.46
(1,2652)	1:55:B:LEU:HD11	1:54:B:LEU:H	6	0.46
(1,2651)	1:55:A:LEU:HD11	1:54:A:LEU:H	6	0.46
(1,2628)	1:14:B:LEU:HD11	1:47:B:ASP:HB2	2	0.46
(1,2627)	1:14:A:LEU:HD11	1:47:A:ASP:HB2	2	0.46
(1,2627)	1:14:A:LEU:HD11	1:47:A:ASP:HB2	7	0.46
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD13	8	0.46
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD23	11	0.46
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD23	11	0.46
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	13	0.46
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	13	0.46
(1,2490)	1:35:B:LEU:HD13	1:40:B:LEU:HG	5	0.46
(1,2490)	1:35:B:LEU:HD13	1:40:B:LEU:HG	6	0.46
(1,2489)	1:35:A:LEU:HD13	1:40:A:LEU:HG	5	0.46
(1,2489)	1:35:A:LEU:HD13	1:40:A:LEU:HG	6	0.46
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	2	0.46
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	2	0.46
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	12	0.46
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	12	0.46
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	14	0.46
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	14	0.46
(1,2198)	1:14:B:LEU:HD21	1:49:B:GLN:HB2	3	0.46
(1,2197)	1:14:A:LEU:HD21	1:49:A:GLN:HB2	3	0.46
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	4	0.46
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	11	0.46
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	13	0.46
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	15	0.46
(1,1823)	1:7:A:GLU:HG2	1:4:A:THR:HB	13	0.46
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	8	0.46
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	14	0.46
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	5	0.46
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	14	0.46
(1,1688)	1:32:B:PHE:HB2	1:29:B:LEU:HG	12	0.46
(1,1687)	1:32:A:PHE:HB2	1:29:A:LEU:HG	12	0.46
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	8	0.46
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	13	0.46
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	13	0.46
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	6	0.46
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	6	0.46
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD1	2	0.46
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD1	2	0.46
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	11	0.46
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	10	0.46
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	4	0.46
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	4	0.46
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	1	0.46
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	5	0.46
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	11	0.46
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	11	0.46
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD22	9	0.46
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD22	9	0.46
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	11	0.46
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	2	0.46
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	2	0.46
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD22	13	0.46
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD22	13	0.46
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	1	0.46
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	1	0.46
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	5	0.46
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	3	0.46
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	3	0.46
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	10	0.46
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	11	0.46
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	10	0.46
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	11	0.46
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	11	0.46
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	11	0.46
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD11	10	0.46
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	9	0.46
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	5	0.46
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	9	0.46
(1,775)	1:67:A:GLY:H	1:64:A:TYR:HE1	6	0.46
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	13	0.46
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD22	5	0.46
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD22	5	0.46
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	2	0.46
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	3	0.46
(1,445)	1:38:A:THR:H	1:36:A:ARG:HD2	8	0.46
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	7	0.46
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	7	0.46
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	2	0.46
(1,60)	1:3:B:LYS:H	1:69:A:GLU:HA	12	0.46
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD13	3	0.45
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	8	0.45
(2,4852)	1:56:B:THR:HG22	1:8:A:LEU:HD11	14	0.45
(2,4836)	1:12:B:ILE:HD13	1:56:A:THR:HG22	7	0.45
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE1	2	0.45
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE2	1	0.45
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE2	8	0.45
(2,4819)	1:8:A:LEU:HD12	1:56:B:THR:HG22	5	0.45
(2,4752)	1:60:B:LEU:HD13	1:11:A:ARG:HD3	5	0.45
(2,4751)	1:60:A:LEU:HD13	1:11:B:ARG:HD3	5	0.45
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	5	0.45
(2,4742)	1:12:B:ILE:HG23	1:60:A:LEU:H	4	0.45
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	12	0.45
(2,4741)	1:12:A:ILE:HG23	1:60:B:LEU:H	4	0.45
(2,4736)	1:12:B:ILE:HG23	1:59:A:GLU:HB3	14	0.45
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	12	0.45
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	12	0.45
(2,4598)	1:54:B:LEU:HD21	1:17:B:HIS:HD2	2	0.45
(2,4478)	1:18:B:THR:HG22	1:4:B:THR:HB	2	0.45
(2,4478)	1:18:B:THR:HG22	1:4:B:THR:HB	13	0.45
(2,4477)	1:18:A:THR:HG22	1:4:A:THR:HB	2	0.45
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD2	12	0.45
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	4	0.45
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	10	0.45
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	1	0.45
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	8	0.45
(2,4082)	1:12:B:ILE:HG21	1:56:A:THR:HB	11	0.45
(2,3995)	1:65:A:ASP:HA	1:66:A:THR:HG21	2	0.45
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG22	6	0.45
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG22	6	0.45
(2,3945)	1:55:A:LEU:HD13	1:40:A:LEU:H	9	0.45
(2,3937)	1:37:A:GLU:HA	1:55:A:LEU:HD13	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	14	0.45
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	13	0.45
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD22	4	0.45
(2,3668)	1:8:B:LEU:H	1:8:B:LEU:HD21	13	0.45
(2,3667)	1:8:A:LEU:H	1:8:A:LEU:HD21	13	0.45
(2,3666)	1:40:B:LEU:HD11	1:40:B:LEU:HA	7	0.45
(2,3665)	1:40:A:LEU:HD11	1:40:A:LEU:HA	7	0.45
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD12	12	0.45
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD11	11	0.45
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD11	11	0.45
(2,3536)	1:35:B:LEU:HD21	1:26:B:TYR:HD1	5	0.45
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD1	14	0.45
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD1	14	0.45
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD13	2	0.45
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	4	0.45
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD13	7	0.45
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD13	2	0.45
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	4	0.45
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD13	7	0.45
(2,3394)	1:39:B:HIS:H	1:55:B:LEU:HG	9	0.45
(2,3393)	1:39:A:HIS:H	1:55:A:LEU:HG	9	0.45
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	3	0.45
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	3	0.45
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	12	0.45
(2,3236)	1:54:B:LEU:HA	1:14:B:LEU:HD21	12	0.45
(2,3235)	1:54:A:LEU:HA	1:14:A:LEU:HD21	12	0.45
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG22	12	0.45
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	10	0.45
(2,2752)	1:15:B:GLU:HA	1:15:B:GLU:HG3	6	0.45
(2,2751)	1:15:A:GLU:HA	1:15:A:GLU:HG3	6	0.45
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	13	0.45
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	13	0.45
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	2	0.45
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	5	0.45
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	2	0.45
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	5	0.45
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	12	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	1	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	3	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	4	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	5	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	7	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	8	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	9	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	10	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	11	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	12	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	13	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	14	0.45
(2,2324)	1:54:B:LEU:H	1:54:B:LEU:HB3	15	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	3	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	4	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	6	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	7	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	8	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	9	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	10	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	11	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	12	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	13	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	14	0.45
(2,2323)	1:54:A:LEU:H	1:54:A:LEU:HB3	15	0.45
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	3	0.45
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	4	0.45
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD11	14	0.45
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD12	7	0.45
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD11	14	0.45
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	5	0.45
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	5	0.45
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	7	0.45
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	7	0.45
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	14	0.45
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	6	0.45
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	6	0.45
(2,930)	1:51:B:ARG:H	1:54:B:LEU:HD22	4	0.45
(2,929)	1:51:A:ARG:H	1:54:A:LEU:HD22	4	0.45
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	2	0.45
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD13	14	0.45
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD22	1	0.45
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD23	5	0.45
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	14	0.45
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,546)	1:28:B:THR:H	1:31:B:ASP:HB3	9	0.45
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	12	0.45
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	15	0.45
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	11	0.45
(2,52)	1:57:B:ALA:H	1:60:A:LEU:HD23	3	0.45
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	6	0.45
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	7	0.45
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	7	0.45
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	7	0.45
(2,9)	1:11:A:ARG:H	1:60:B:LEU:HD12	2	0.45
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	5	0.45
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	8	0.45
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD12	15	0.45
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	5	0.45
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	5	0.45
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	13	0.45
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	8	0.45
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	2	0.45
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	5	0.45
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	12	0.45
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	5	0.45
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	12	0.45
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD11	8	0.45
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD11	8	0.45
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	1	0.45
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	1	0.45
(1,2806)	1:45:B:ILE:HG23	1:40:B:LEU:HA	3	0.45
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE3	9	0.45
(1,2785)	1:12:A:ILE:HG22	1:60:B:LEU:H	10	0.45
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	11	0.45
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB1	11	0.45
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB1	11	0.45
(1,2731)	1:52:A:ALA:HB3	1:51:A:ARG:H	15	0.45
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	7	0.45
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	5	0.45
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	10	0.45
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	12	0.45
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG21	6	0.45
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	2	0.45
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	12	0.45
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	15	0.45
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	15	0.45
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD11	3	0.45
(1,2628)	1:14:B:LEU:HD11	1:47:B:ASP:HB2	7	0.45
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	8	0.45
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	8	0.45
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD13	3	0.45
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD13	3	0.45
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	14	0.45
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	14	0.45
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	10	0.45
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	10	0.45
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	1	0.45
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	1	0.45
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	3	0.45
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	4	0.45
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	4	0.45
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	9	0.45
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	9	0.45
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	4	0.45
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	2	0.45
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	2	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	1	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	3	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	5	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	6	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	7	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	8	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	11	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	12	0.45
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	14	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	1	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	3	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	5	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	6	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	7	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	8	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	11	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	12	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	13	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	14	0.45
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	15	0.45
(1,1824)	1:7:B:GLU:HG2	1:4:B:THR:HB	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	1	0.45
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	1	0.45
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	10	0.45
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	13	0.45
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	10	0.45
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	13	0.45
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	11	0.45
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD22	5	0.45
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	1	0.45
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	5	0.45
(1,1322)	1:24:B:ASN:HA	1:43:B:LEU:HD21	12	0.45
(1,1321)	1:24:A:ASN:HA	1:43:A:LEU:HD21	12	0.45
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD23	3	0.45
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	2	0.45
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	2	0.45
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	5	0.45
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	13	0.45
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	8	0.45
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	13	0.45
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	2	0.45
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	5	0.45
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	2	0.45
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD21	4	0.45
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD21	4	0.45
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	10	0.45
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	11	0.45
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	11	0.45
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	5	0.45
(1,776)	1:67:B:GLY:H	1:64:B:TYR:HE1	6	0.45
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	10	0.45
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	10	0.45
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	11	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB2	5	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB2	6	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	7	0.45
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB3	8	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB2	5	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB2	6	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	7	0.45
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB3	8	0.45
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	1	0.45
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	13	0.45
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	1	0.45
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	12	0.45
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	11	0.45
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	11	0.45
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD21	3	0.45
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD21	3	0.45
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	6	0.45
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	9	0.45
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	2	0.45
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	9	0.45
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD23	6	0.45
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD23	6	0.45
(1,446)	1:38:B:THR:H	1:36:B:ARG:HD2	8	0.45
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD13	10	0.45
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD13	10	0.45
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	2	0.45
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	10	0.45
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	12	0.45
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	15	0.45
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	10	0.45
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	12	0.45
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	13	0.45
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	13	0.45
(1,117)	1:7:A:GLU:H	1:8:A:LEU:HB3	14	0.45
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	13	0.45
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	5	0.44
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	8	0.44
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	12	0.44
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE1	2	0.44
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE1	14	0.44
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG22	7	0.44
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG23	6	0.44
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD1	7	0.44
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	15	0.44
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	1	0.44
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	11	0.44
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	6	0.44
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	9	0.44
(2,4735)	1:12:A:ILE:HG23	1:59:B:GLU:HB3	14	0.44
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	14	0.44
(2,4726)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4725)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	13	0.44
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	10	0.44
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	10	0.44
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	6	0.44
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD2	12	0.44
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	9	0.44
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	15	0.44
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	10	0.44
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	15	0.44
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	1	0.44
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	13	0.44
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	7	0.44
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD2	7	0.44
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD2	7	0.44
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG21	10	0.44
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG21	10	0.44
(2,3946)	1:55:B:LEU:HD13	1:40:B:LEU:H	8	0.44
(2,3946)	1:55:B:LEU:HD13	1:40:B:LEU:H	9	0.44
(2,3945)	1:55:A:LEU:HD13	1:40:A:LEU:H	8	0.44
(2,3938)	1:37:B:GLU:HA	1:55:B:LEU:HD13	9	0.44
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD13	1	0.44
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	15	0.44
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	5	0.44
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	5	0.44
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG23	12	0.44
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG23	12	0.44
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	1	0.44
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	1	0.44
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG22	13	0.44
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD13	8	0.44
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD13	8	0.44
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD12	12	0.44
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD11	11	0.44
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD11	11	0.44
(2,3540)	1:55:B:LEU:H	1:35:B:LEU:HD22	15	0.44
(2,3539)	1:55:A:LEU:H	1:35:A:LEU:HD22	15	0.44
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	10	0.44
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	9	0.44
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	9	0.44
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	3	0.44
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	5	0.44
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	15	0.44
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	5	0.44
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	15	0.44
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	11	0.44
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	11	0.44
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	1	0.44
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	9	0.44
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	1	0.44
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	9	0.44
(2,2121)	1:49:A:GLN:H	1:48:A:PRO:HD3	4	0.44
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	4	0.44
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	3	0.44
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	1	0.44
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	1	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	1	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	3	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	9	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	10	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	11	0.44
(2,1558)	1:19:B:SER:HA	1:19:B:SER:HB2	13	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	1	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	3	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	9	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	10	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	11	0.44
(2,1557)	1:19:A:SER:HA	1:19:A:SER:HB2	13	0.44
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	14	0.44
(2,1265)	1:44:A:ASN:HD22	1:46:A:MET:HE3	2	0.44
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	7	0.44
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	7	0.44
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD13	14	0.44
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD23	5	0.44
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	3	0.44
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	13	0.44
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	3	0.44
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	13	0.44
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	13	0.44
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	13	0.44
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	7	0.44
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	15	0.44
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	8	0.44
(2,10)	1:11:B:ARG:H	1:60:A:LEU:HD12	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:49:B:GLN:HB3	1:49:A:GLN:HA	7	0.44
(1,3127)	1:49:A:GLN:HB3	1:49:B:GLN:HA	7	0.44
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	14	0.44
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	14	0.44
(1,3035)	1:49:A:GLN:H	1:50:A:HIS:HD2	10	0.44
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	10	0.44
(1,2996)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	4	0.44
(1,2995)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	4	0.44
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	14	0.44
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	14	0.44
(1,2786)	1:12:B:ILE:HG22	1:60:A:LEU:H	10	0.44
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB2	13	0.44
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB2	13	0.44
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB3	9	0.44
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB3	9	0.44
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD11	10	0.44
(1,2732)	1:52:B:ALA:HB3	1:51:B:ARG:H	15	0.44
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	10	0.44
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	2	0.44
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	4	0.44
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	13	0.44
(1,2651)	1:58:A:ALA:H	1:55:A:LEU:HD12	2	0.44
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD13	9	0.44
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD11	3	0.44
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD11	1	0.44
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD11	1	0.44
(1,2591)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	9	0.44
(1,2484)	1:35:B:LEU:HD11	1:54:B:LEU:HD21	7	0.44
(1,2483)	1:35:A:LEU:HD11	1:54:A:LEU:HD21	7	0.44
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	1	0.44
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	1	0.44
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	1	0.44
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	11	0.44
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	1	0.44
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	12	0.44
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	1	0.44
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	1	0.44
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	6	0.44
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	6	0.44
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	3	0.44
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	8	0.44
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	6	0.44
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	6	0.44
(1,1995)	1:36:A:ARG:HB3	1:39:A:HIS:HB2	8	0.44
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	2	0.44
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	4	0.44
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	9	0.44
(1,1840)	1:10:B:GLU:HG3	1:10:B:GLU:HB3	10	0.44
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	2	0.44
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	4	0.44
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	9	0.44
(1,1839)	1:10:A:GLU:HG3	1:10:A:GLU:HB3	10	0.44
(1,1824)	1:7:B:GLU:HG2	1:4:B:THR:HB	15	0.44
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	5	0.44
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	5	0.44
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD11	7	0.44
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD11	7	0.44
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD12	14	0.44
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD12	14	0.44
(1,1638)	1:63:B:ASP:HB2	1:60:B:LEU:HD11	14	0.44
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	7	0.44
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	6	0.44
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	7	0.44
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB3	4	0.44
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	7	0.44
(1,1461)	1:11:A:ARG:HD3	1:60:B:LEU:H	10	0.44
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	9	0.44
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	15	0.44
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	15	0.44
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	1	0.44
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	9	0.44
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD23	3	0.44
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	10	0.44
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	13	0.44
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	15	0.44
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	10	0.44
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	13	0.44
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	15	0.44
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	4	0.44
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	2	0.44
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	4	0.44
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	6	0.44
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	2	0.44
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	6	0.44
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	10	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	1	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	4	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	6	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	9	0.44
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	13	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	1	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	4	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	5	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	6	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	9	0.44
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	13	0.44
(1,1004)	1:32:B:PHE:HA	1:35:B:LEU:HD22	11	0.44
(1,1003)	1:32:A:PHE:HA	1:35:A:LEU:HD22	11	0.44
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	6	0.44
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	6	0.44
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	10	0.44
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	9	0.44
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE2	9	0.44
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD11	15	0.44
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD11	15	0.44
(1,876)	1:20:B:THR:HB	1:21:B:LEU:HB3	15	0.44
(1,875)	1:20:A:THR:HB	1:21:A:LEU:HB3	15	0.44
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	3	0.44
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	3	0.44
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	7	0.44
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	11	0.44
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	15	0.44
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	15	0.44
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	1	0.44
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	1	0.44
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	4	0.44
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	4	0.44
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	3	0.44
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	3	0.44
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	3	0.44
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	7	0.44
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	12	0.44
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	13	0.44
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD23	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	12	0.44
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD23	15	0.44
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD22	8	0.44
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD22	8	0.44
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	12	0.44
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	6	0.44
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	12	0.44
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	8	0.44
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	8	0.44
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	13	0.44
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	13	0.44
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	2	0.44
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	5	0.44
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	7	0.44
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	5	0.44
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	7	0.44
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	15	0.44
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	10	0.44
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	6	0.44
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	10	0.44
(1,118)	1:7:B:GLU:H	1:8:B:LEU:HB3	14	0.44
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	13	0.44
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	15	0.44
(2,4846)	1:57:B:ALA:HB3	1:56:A:THR:HB	9	0.43
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	7	0.43
(2,4845)	1:57:A:ALA:HB3	1:56:B:THR:HB	9	0.43
(2,4831)	1:62:A:LEU:HD22	1:11:B:ARG:HA	2	0.43
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	3	0.43
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE1	14	0.43
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE1	10	0.43
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG23	6	0.43
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD1	7	0.43
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	1	0.43
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	12	0.43
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	12	0.43
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	6	0.43
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	12	0.43
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	6	0.43
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	9	0.43
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	3	0.43
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	3	0.43
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	15	0.43
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	15	0.43
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	7	0.43
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD21	5	0.43
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG21	9	0.43
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG21	9	0.43
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD13	1	0.43
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	15	0.43
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	12	0.43
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	14	0.43
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	1	0.43
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	9	0.43
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG22	13	0.43
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	9	0.43
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	14	0.43
(2,3850)	1:43:B:LEU:HD23	1:21:B:LEU:H	15	0.43
(2,3849)	1:43:A:LEU:HD23	1:21:A:LEU:H	15	0.43
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	7	0.43
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	7	0.43
(2,3608)	1:26:B:TYR:HB3	1:43:B:LEU:HD11	7	0.43
(2,3607)	1:26:A:TYR:HB3	1:43:A:LEU:HD11	7	0.43
(2,3592)	1:55:B:LEU:HD23	1:52:B:ALA:HA	8	0.43
(2,3591)	1:55:A:LEU:HD23	1:52:A:ALA:HA	8	0.43
(2,3536)	1:35:B:LEU:HD23	1:26:B:TYR:HD2	10	0.43
(2,3535)	1:35:A:LEU:HD23	1:26:A:TYR:HD2	10	0.43
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	10	0.43
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	3	0.43
(2,3394)	1:39:B:HIS:H	1:55:B:LEU:HG	8	0.43
(2,3393)	1:39:A:HIS:H	1:55:A:LEU:HG	8	0.43
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	7	0.43
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	7	0.43
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	14	0.43
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	14	0.43
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	12	0.43
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	12	0.43
(2,2474)	1:55:B:LEU:HB2	1:58:B:ALA:HB3	2	0.43
(2,2473)	1:55:A:LEU:HB2	1:58:A:ALA:HB3	2	0.43
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	12	0.43
(2,2122)	1:49:B:GLN:H	1:48:B:PRO:HD3	4	0.43
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	1	0.43
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	4	0.43
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	10	0.43
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	13	0.43
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	1	0.43
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	10	0.43
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	13	0.43
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	14	0.43
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	4	0.43
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	9	0.43
(2,1266)	1:44:B:ASN:HD22	1:46:B:MET:HE3	2	0.43
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	11	0.43
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	11	0.43
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	12	0.43
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	12	0.43
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD12	2	0.43
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD12	10	0.43
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD12	2	0.43
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD12	10	0.43
(2,545)	1:28:A:THR:H	1:31:A:ASP:HB3	9	0.43
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	7	0.43
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	10	0.43
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	11	0.43
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	6	0.43
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	6	0.43
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	3	0.43
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	3	0.43
(1,3172)	1:11:B:ARG:HB2	1:59:A:GLU:HA	2	0.43
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD12	15	0.43
(1,3082)	1:60:B:LEU:HD12	1:11:A:ARG:HB3	2	0.43
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	5	0.43
(1,3036)	1:49:B:GLN:H	1:50:B:HIS:HD2	10	0.43
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	12	0.43
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	12	0.43
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	10	0.43
(1,2994)	1:64:B:TYR:HD1	1:65:A:ASP:H	9	0.43
(1,2993)	1:64:A:TYR:HD1	1:65:B:ASP:H	9	0.43
(1,2853)	1:45:A:ILE:HD11	1:47:A:ASP:HB2	3	0.43
(1,2850)	1:43:B:LEU:HG	1:45:B:ILE:HD11	2	0.43
(1,2849)	1:43:A:LEU:HG	1:45:A:ILE:HD11	2	0.43
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	11	0.43
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	1	0.43
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	11	0.43
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE3	10	0.43
(1,2787)	1:46:A:MET:HE3	1:46:A:MET:H	4	0.43
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	7	0.43
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	7	0.43
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD13	4	0.43
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD12	9	0.43
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD11	11	0.43
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD13	4	0.43
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD12	9	0.43
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD11	10	0.43
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD11	11	0.43
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	2	0.43
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	5	0.43
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	2	0.43
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	3	0.43
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	9	0.43
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	13	0.43
(1,2652)	1:58:B:ALA:H	1:55:B:LEU:HD12	2	0.43
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD11	2	0.43
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD11	2	0.43
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD13	9	0.43
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD12	7	0.43
(1,2592)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	9	0.43
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	14	0.43
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	14	0.43
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD22	10	0.43
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD22	10	0.43
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD13	7	0.43
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HB3	7	0.43
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HB3	7	0.43
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	11	0.43
(1,2324)	1:39:B:HIS:HB2	1:35:B:LEU:HG	3	0.43
(1,2323)	1:39:A:HIS:HB2	1:35:A:LEU:HG	3	0.43
(1,2168)	1:30:B:GLU:HB3	1:33:B:LYS:HE2	13	0.43
(1,2167)	1:30:A:GLU:HB3	1:33:A:LYS:HE2	13	0.43
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	8	0.43
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	8	0.43
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	5	0.43
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	5	0.43
(1,1996)	1:36:B:ARG:HB3	1:39:B:HIS:HB2	8	0.43
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	3	0.43
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	3	0.43
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	6	0.43
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD23	14	0.43
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	12	0.43
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	12	0.43
(1,1823)	1:7:A:GLU:HG2	1:4:A:THR:HB	15	0.43
(1,1776)	1:26:B:TYR:HB2	1:5:B:LEU:HB3	14	0.43
(1,1775)	1:26:A:TYR:HB2	1:5:A:LEU:HB3	14	0.43
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	14	0.43
(1,1718)	1:9:B:LEU:HB3	1:8:B:LEU:H	11	0.43
(1,1717)	1:9:A:LEU:HB3	1:8:A:LEU:H	11	0.43
(1,1665)	1:55:A:LEU:HB3	1:12:B:ILE:HB	8	0.43
(1,1637)	1:63:A:ASP:HB2	1:60:A:LEU:HD11	14	0.43
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	7	0.43
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	10	0.43
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	7	0.43
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	13	0.43
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD12	11	0.43
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB3	4	0.43
(1,1462)	1:11:B:ARG:HD3	1:60:A:LEU:H	10	0.43
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	9	0.43
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD11	6	0.43
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	1	0.43
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	4	0.43
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	4	0.43
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	12	0.43
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	12	0.43
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	9	0.43
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	1	0.43
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	8	0.43
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	1	0.43
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	7	0.43
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	8	0.43
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	4	0.43
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	10	0.43
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	12	0.43
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	14	0.43
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	4	0.43
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	12	0.43
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	14	0.43
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	7	0.43
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	10	0.43
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	11	0.43
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	14	0.43
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	7	0.43
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	8	0.43
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	10	0.43
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	11	0.43
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	14	0.43
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	7	0.43
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	15	0.43
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	15	0.43
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	9	0.43
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE2	9	0.43
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	10	0.43
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	10	0.43
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	3	0.43
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	3	0.43
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD11	6	0.43
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD11	6	0.43
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	14	0.43
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	7	0.43
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD21	5	0.43
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD21	5	0.43
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB2	2	0.43
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	3	0.43
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB2	2	0.43
(1,607)	1:56:A:THR:H	1:56:B:THR:HG21	7	0.43
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD23	3	0.43
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	12	0.43
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD23	3	0.43
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD22	15	0.43
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD22	15	0.43
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	14	0.43
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	1	0.43
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	1	0.43
(1,536)	1:50:B:HIS:H	1:14:B:LEU:HD22	15	0.43
(1,535)	1:50:A:HIS:H	1:14:A:LEU:HD22	15	0.43
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	7	0.43
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	2	0.43
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	7	0.43
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	7	0.43
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	2	0.43
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	2	0.43
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	13	0.42
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	13	0.42
(2,4849)	1:56:A:THR:HG23	1:12:B:ILE:HD12	6	0.42
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	7	0.42
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	15	0.42
(2,4824)	1:8:B:LEU:HD12	1:60:A:LEU:H	15	0.42
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE1	10	0.42
(2,4821)	1:8:A:LEU:HD12	1:64:B:TYR:HE1	5	0.42
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE2	6	0.42
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD2	8	0.42
(2,4741)	1:12:A:ILE:HG22	1:60:B:LEU:H	10	0.42
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	9	0.42
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	1	0.42
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	6	0.42
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD2	12	0.42
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD2	12	0.42
(2,4449)	1:9:A:LEU:HD11	1:32:A:PHE:HD1	13	0.42
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	1	0.42
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	1	0.42
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	4	0.42
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD21	5	0.42
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD11	7	0.42
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD13	9	0.42
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD12	3	0.42
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD12	3	0.42
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	2	0.42
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	12	0.42
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	2	0.42
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	1	0.42
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	14	0.42
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD23	3	0.42
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD23	3	0.42
(2,3730)	1:22:B:LEU:HD13	1:19:B:SER:H	14	0.42
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	8	0.42
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	8	0.42
(2,3712)	1:61:B:LEU:HD22	1:64:A:TYR:HD1	4	0.42
(2,3662)	1:40:B:LEU:HD13	1:37:B:GLU:HA	4	0.42
(2,3661)	1:40:A:LEU:HD13	1:37:A:GLU:HA	4	0.42
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD13	15	0.42
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD13	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	2	0.42
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	7	0.42
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	9	0.42
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	2	0.42
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	7	0.42
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	9	0.42
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	2	0.42
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	2	0.42
(2,3120)	1:51:B:ARG:HG2	1:55:B:LEU:HD23	6	0.42
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	7	0.42
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG22	12	0.42
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	10	0.42
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	10	0.42
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	8	0.42
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	14	0.42
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	2	0.42
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	9	0.42
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	9	0.42
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	4	0.42
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	12	0.42
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	12	0.42
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	1	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	5	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	6	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	9	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	11	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	14	0.42
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	15	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	5	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	6	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	7	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	9	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	11	0.42
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	15	0.42
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	13	0.42
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	2	0.42
(2,1822)	1:11:B:ARG:HA	1:11:B:ARG:HD3	4	0.42
(2,1821)	1:11:A:ARG:HA	1:11:A:ARG:HD3	4	0.42
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	9	0.42
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	14	0.42
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	14	0.42
(2,1498)	1:48:B:PRO:HA	1:51:B:ARG:HD2	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1497)	1:48:A:PRO:HA	1:51:A:ARG:HD2	14	0.42
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE1	6	0.42
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG23	13	0.42
(2,1340)	1:44:B:ASN:H	1:20:B:THR:HG21	14	0.42
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG23	13	0.42
(2,1339)	1:44:A:ASN:H	1:20:A:THR:HG21	14	0.42
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	8	0.42
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	8	0.42
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	4	0.42
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	7	0.42
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	7	0.42
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG23	13	0.42
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG23	13	0.42
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	7	0.42
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	7	0.42
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	12	0.42
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	2	0.42
(2,536)	1:28:B:THR:H	1:5:B:LEU:HD13	8	0.42
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	5	0.42
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	10	0.42
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	5	0.42
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	6	0.42
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	12	0.42
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	12	0.42
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	10	0.42
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	12	0.42
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	4	0.42
(1,3171)	1:11:A:ARG:HB2	1:59:B:GLU:HA	2	0.42
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	9	0.42
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	9	0.42
(1,3081)	1:60:A:LEU:HD12	1:11:B:ARG:HB3	2	0.42
(1,3076)	1:12:B:ILE:HG23	1:59:A:GLU:HB2	2	0.42
(1,2905)	1:56:A:THR:HG22	1:60:A:LEU:HB2	15	0.42
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	15	0.42
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	11	0.42
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	15	0.42
(1,2854)	1:45:B:ILE:HD11	1:47:B:ASP:HB2	3	0.42
(1,2854)	1:45:B:ILE:HD13	1:47:B:ASP:HB2	8	0.42
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	1	0.42
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	2	0.42
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	2	0.42
(1,2788)	1:46:B:MET:HE3	1:46:B:MET:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	11	0.42
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	1	0.42
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB3	9	0.42
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB3	9	0.42
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	7	0.42
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	3	0.42
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	9	0.42
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD12	7	0.42
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	8	0.42
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	4	0.42
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	4	0.42
(1,2446)	1:45:B:ILE:H	1:43:B:LEU:HD11	14	0.42
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD13	7	0.42
(1,2445)	1:45:A:ILE:H	1:43:A:LEU:HD11	14	0.42
(1,2435)	1:56:A:THR:H	1:55:A:LEU:HD22	6	0.42
(1,2390)	1:35:B:LEU:HD22	1:40:B:LEU:HA	12	0.42
(1,2389)	1:35:A:LEU:HD22	1:40:A:LEU:HA	12	0.42
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	4	0.42
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	5	0.42
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HB3	8	0.42
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	4	0.42
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HB3	8	0.42
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	8	0.42
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	1	0.42
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	12	0.42
(1,2256)	1:54:B:LEU:HD12	1:45:B:ILE:HB	11	0.42
(1,2255)	1:54:A:LEU:HD12	1:45:A:ILE:HB	11	0.42
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD22	1	0.42
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD23	14	0.42
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD22	1	0.42
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	2	0.42
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	2	0.42
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	14	0.42
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD13	10	0.42
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD13	10	0.42
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	5	0.42
(1,1666)	1:55:B:LEU:HB3	1:12:A:ILE:HB	11	0.42
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	5	0.42
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	10	0.42
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	9	0.42
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD12	11	0.42
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB1	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB1	8	0.42
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	7	0.42
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	10	0.42
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	11	0.42
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	10	0.42
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	11	0.42
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	13	0.42
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	13	0.42
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	1	0.42
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	1	0.42
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	2	0.42
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD11	6	0.42
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	8	0.42
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	3	0.42
(1,1234)	1:31:B:ASP:HA	1:30:B:GLU:HB3	15	0.42
(1,1233)	1:31:A:ASP:HA	1:30:A:GLU:HB3	15	0.42
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	15	0.42
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	15	0.42
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	12	0.42
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	2	0.42
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	8	0.42
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	15	0.42
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	2	0.42
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	4	0.42
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	8	0.42
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	15	0.42
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	7	0.42
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	9	0.42
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	14	0.42
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	9	0.42
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	14	0.42
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	11	0.42
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	11	0.42
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	12	0.42
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	12	0.42
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	7	0.42
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	14	0.42
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	11	0.42
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	11	0.42
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	5	0.42
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	5	0.42
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	1	0.42
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	3	0.42
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG21	12	0.42
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG21	15	0.42
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD12	8	0.42
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD12	8	0.42
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD23	10	0.42
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD23	10	0.42
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD21	14	0.42
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	15	0.42
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD21	14	0.42
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	15	0.42
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	14	0.42
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD21	4	0.42
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	13	0.42
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	7	0.42
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	13	0.42
(1,445)	1:38:A:THR:H	1:41:A:ASN:HB2	9	0.42
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	1	0.42
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD11	6	0.42
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	5	0.42
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	5	0.42
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	11	0.42
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	4	0.42
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD11	7	0.42
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	15	0.42
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	5	0.41
(2,4846)	1:57:B:ALA:HB3	1:56:A:THR:HB	2	0.41
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	3	0.41
(2,4845)	1:57:A:ALA:HB3	1:56:B:THR:HB	2	0.41
(2,4832)	1:62:B:LEU:HD22	1:11:A:ARG:HA	2	0.41
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	1	0.41
(2,4823)	1:8:A:LEU:HD12	1:60:B:LEU:H	10	0.41
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE1	7	0.41
(2,4822)	1:8:B:LEU:HD13	1:64:A:TYR:HE2	8	0.41
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	6	0.41
(2,4763)	1:8:A:LEU:HD21	1:64:B:TYR:HD2	11	0.41
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	12	0.41
(2,4742)	1:12:B:ILE:HG22	1:60:A:LEU:H	10	0.41
(2,4732)	1:52:B:ALA:HB2	1:53:A:LYS:H	6	0.41
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	1	0.41
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4725)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	6	0.41
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD2	1	0.41
(2,4450)	1:9:B:LEU:HD11	1:32:B:PHE:HD1	13	0.41
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD2	1	0.41
(2,4384)	1:5:B:LEU:HD23	1:32:B:PHE:HE1	3	0.41
(2,4383)	1:5:A:LEU:HD23	1:32:A:PHE:HE1	3	0.41
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	6	0.41
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	6	0.41
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD23	11	0.41
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	4	0.41
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	4	0.41
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	7	0.41
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	6	0.41
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	7	0.41
(2,4082)	1:12:B:ILE:HG23	1:56:A:THR:HB	14	0.41
(2,4046)	1:55:B:LEU:HD12	1:58:B:ALA:HB3	6	0.41
(2,4045)	1:55:A:LEU:HD12	1:58:A:ALA:HB3	6	0.41
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD11	7	0.41
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD11	9	0.41
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG21	11	0.41
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	2	0.41
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	2	0.41
(2,3729)	1:22:A:LEU:HD13	1:19:A:SER:H	14	0.41
(2,3711)	1:61:A:LEU:HD22	1:64:B:TYR:HD1	4	0.41
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD13	14	0.41
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD13	14	0.41
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	2	0.41
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	2	0.41
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	2	0.41
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	2	0.41
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	9	0.41
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	9	0.41
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	11	0.41
(2,3119)	1:51:A:ARG:HG2	1:55:A:LEU:HD23	6	0.41
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD11	6	0.41
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	2	0.41
(2,3040)	1:27:B:GLN:HB2	1:22:B:LEU:HD22	15	0.41
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	2	0.41
(2,3039)	1:27:A:GLN:HB2	1:22:A:LEU:HD22	15	0.41
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	1	0.41
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	9	0.41
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	12	0.41
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	1	0.41
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	9	0.41
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	11	0.41
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	12	0.41
(2,2621)	1:14:A:LEU:HB2	1:9:A:LEU:HB2	13	0.41
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	15	0.41
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	15	0.41
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	14	0.41
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	8	0.41
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	2	0.41
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	5	0.41
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	5	0.41
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	8	0.41
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	8	0.41
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	3	0.41
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	4	0.41
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	7	0.41
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	1	0.41
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	4	0.41
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	4	0.41
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	2	0.41
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	3	0.41
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	8	0.41
(2,2114)	1:48:B:PRO:HD3	1:48:B:PRO:HB2	12	0.41
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	2	0.41
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	3	0.41
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	8	0.41
(2,2113)	1:48:A:PRO:HD3	1:48:A:PRO:HB2	12	0.41
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	2	0.41
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	13	0.41
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	11	0.41
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	7	0.41
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	11	0.41
(2,1594)	1:37:B:GLU:HA	1:51:B:ARG:HG3	7	0.41
(2,1593)	1:37:A:GLU:HA	1:51:A:ARG:HG3	7	0.41
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	1	0.41
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	1	0.41
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	2	0.41
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	9	0.41
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	2	0.41
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD11	8	0.41
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD11	8	0.41
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD11	9	0.41
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	4	0.41
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	9	0.41
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	9	0.41
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	9	0.41
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	10	0.41
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	10	0.41
(2,812)	1:43:B:LEU:H	1:20:B:THR:HG23	7	0.41
(2,811)	1:43:A:LEU:H	1:20:A:THR:HG23	7	0.41
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD12	15	0.41
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	2	0.41
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	3	0.41
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	3	0.41
(2,649)	1:34:A:GLU:H	1:34:A:GLU:HG3	8	0.41
(2,535)	1:28:A:THR:H	1:5:A:LEU:HD13	8	0.41
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	8	0.41
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	10	0.41
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	12	0.41
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	14	0.41
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	15	0.41
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	4	0.41
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	7	0.41
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	8	0.41
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	7	0.41
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	8	0.41
(1,3075)	1:12:A:ILE:HG23	1:59:B:GLU:HB2	2	0.41
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD2	10	0.41
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD2	10	0.41
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	9	0.41
(1,2906)	1:56:B:THR:HG22	1:60:B:LEU:HB2	15	0.41
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	9	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	3	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	5	0.41
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	11	0.41
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	5	0.41
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	14	0.41
(1,2853)	1:45:A:ILE:HD13	1:47:A:ASP:HB2	8	0.41
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	5	0.41
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	6	0.41
(1,2806)	1:45:B:ILE:HG22	1:40:B:LEU:HA	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	6	0.41
(1,2805)	1:45:A:ILE:HG22	1:40:A:LEU:HA	12	0.41
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	6	0.41
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	9	0.41
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	9	0.41
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	1	0.41
(1,2736)	1:58:B:ALA:HB3	1:12:B:ILE:HD13	5	0.41
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD11	6	0.41
(1,2735)	1:58:A:ALA:HB3	1:12:A:ILE:HD13	5	0.41
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD11	6	0.41
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	3	0.41
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG21	11	0.41
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG21	11	0.41
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	14	0.41
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	14	0.41
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	7	0.41
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	7	0.41
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD12	3	0.41
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD12	3	0.41
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	1	0.41
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD12	10	0.41
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	1	0.41
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD12	10	0.41
(1,2591)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	15	0.41
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	15	0.41
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD11	2	0.41
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	2	0.41
(1,2436)	1:56:B:THR:H	1:55:B:LEU:HD22	6	0.41
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD13	9	0.41
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD13	9	0.41
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	5	0.41
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	8	0.41
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD13	9	0.41
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	14	0.41
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	5	0.41
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD13	9	0.41
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	14	0.41
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	5	0.41
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	5	0.41
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	6	0.41
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	12	0.41
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	12	0.41
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	11	0.41
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	11	0.41
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	6	0.41
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	6	0.41
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	11	0.41
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	11	0.41
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD21	5	0.41
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	1	0.41
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	1	0.41
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	14	0.41
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	9	0.41
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	12	0.41
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	14	0.41
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	7	0.41
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	7	0.41
(1,1618)	1:8:B:LEU:HB3	1:7:B:GLU:HG3	12	0.41
(1,1617)	1:8:A:LEU:HB3	1:7:A:GLU:HG3	12	0.41
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD13	7	0.41
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	13	0.41
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	13	0.41
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD13	8	0.41
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD13	8	0.41
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	12	0.41
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	12	0.41
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	7	0.41
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	2	0.41
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	6	0.41
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	6	0.41
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	7	0.41
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	3	0.41
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	15	0.41
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	8	0.41
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	15	0.41
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	12	0.41
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	12	0.41
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD1	4	0.41
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	12	0.41
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD1	4	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD22	1	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	4	0.41
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD23	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	12	0.41
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD22	1	0.41
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD23	6	0.41
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	12	0.41
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	2	0.41
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	3	0.41
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	5	0.41
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	6	0.41
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	3	0.41
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	6	0.41
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	7	0.41
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	7	0.41
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD23	8	0.41
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD23	8	0.41
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	4	0.41
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	4	0.41
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	14	0.41
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	14	0.41
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	6	0.41
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	9	0.41
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	9	0.41
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	3	0.41
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	12	0.41
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	4	0.41
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	4	0.41
(1,510)	1:45:B:ILE:H	1:40:B:LEU:HB2	3	0.41
(1,509)	1:45:A:ILE:H	1:40:A:LEU:HB2	3	0.41
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD21	4	0.41
(1,452)	1:39:B:HIS:H	1:35:B:LEU:HG	3	0.41
(1,446)	1:38:B:THR:H	1:41:B:ASN:HB2	9	0.41
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	1	0.41
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	11	0.41
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	11	0.41
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD11	6	0.41
(1,343)	1:29:A:LEU:H	1:3:A:LYS:HA	5	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	4	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	6	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD11	7	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	12	0.41
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD11	15	0.41
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	11	0.41
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD11	15	0.41
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	11	0.4
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	1	0.4
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	1	0.4
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	3	0.4
(2,4845)	1:57:A:ALA:HB1	1:56:B:THR:HB	11	0.4
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	15	0.4
(2,4832)	1:62:B:LEU:HD23	1:11:A:ARG:HA	14	0.4
(2,4831)	1:62:A:LEU:HD23	1:11:B:ARG:HA	14	0.4
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	3	0.4
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	1	0.4
(2,4823)	1:8:A:LEU:HD12	1:60:B:LEU:H	15	0.4
(2,4822)	1:8:B:LEU:HD12	1:64:A:TYR:HE1	5	0.4
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG21	7	0.4
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD2	1	0.4
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD2	1	0.4
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	1	0.4
(2,4731)	1:52:A:ALA:HB2	1:53:B:LYS:H	6	0.4
(2,4728)	1:52:B:ALA:HB1	1:49:A:GLN:HA	10	0.4
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	13	0.4
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	5	0.4
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	15	0.4
(2,4477)	1:18:A:THR:HG21	1:4:A:THR:HB	5	0.4
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD1	2	0.4
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	14	0.4
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	14	0.4
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD22	14	0.4
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD22	14	0.4
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	13	0.4
(2,4334)	1:24:B:ASN:HD21	1:43:B:LEU:HD21	1	0.4
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD21	1	0.4
(2,4333)	1:24:A:ASN:HD21	1:43:A:LEU:HD23	11	0.4
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	5	0.4
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG23	11	0.4
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	5	0.4
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG23	11	0.4
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	6	0.4
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	1	0.4
(2,4081)	1:12:A:ILE:HG23	1:56:B:THR:HB	14	0.4
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG21	11	0.4
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	1	0.4
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG21	3	0.4
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD13	15	0.4
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD13	15	0.4
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	9	0.4
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	9	0.4
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	12	0.4
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD11	14	0.4
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD11	14	0.4
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD13	10	0.4
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD13	10	0.4
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	2	0.4
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	2	0.4
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	4	0.4
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	4	0.4
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	4	0.4
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	4	0.4
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	15	0.4
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	15	0.4
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	14	0.4
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	11	0.4
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	14	0.4
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	1	0.4
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	11	0.4
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	1	0.4
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	11	0.4
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD11	6	0.4
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	7	0.4
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG23	5	0.4
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	7	0.4
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG23	15	0.4
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	2	0.4
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	7	0.4
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG23	15	0.4
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	2	0.4
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	14	0.4
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	2	0.4
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	14	0.4
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	2	0.4
(2,2708)	1:41:B:ASN:HD22	1:41:B:ASN:HB3	5	0.4
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	2	0.4
(2,2707)	1:41:A:ASN:HD22	1:41:A:ASN:HB3	5	0.4
(2,2622)	1:14:B:LEU:HB2	1:9:B:LEU:HB2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	11	0.4
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	11	0.4
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	1	0.4
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD22	3	0.4
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD22	3	0.4
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	7	0.4
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	15	0.4
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	9	0.4
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	10	0.4
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	10	0.4
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	7	0.4
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	4	0.4
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	7	0.4
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	4	0.4
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	7	0.4
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	1	0.4
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	2	0.4
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	2	0.4
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	6	0.4
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	6	0.4
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD11	9	0.4
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	8	0.4
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	10	0.4
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	8	0.4
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	10	0.4
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD21	13	0.4
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	9	0.4
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD13	9	0.4
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD12	15	0.4
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD13	9	0.4
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	12	0.4
(2,650)	1:34:B:GLU:H	1:34:B:GLU:HG3	8	0.4
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD12	15	0.4
(2,508)	1:26:B:TYR:H	1:24:B:ASN:HD22	11	0.4
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	11	0.4
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD23	5	0.4
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	2	0.4
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB1	13	0.4
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	2	0.4
(1,3120)	1:12:B:ILE:HB	1:60:A:LEU:HD13	2	0.4
(1,3119)	1:12:A:ILE:HB	1:60:B:LEU:HD13	2	0.4
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	11	0.4
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	15	0.4
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD1	14	0.4
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD1	14	0.4
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	14	0.4
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	3	0.4
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	5	0.4
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	13	0.4
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD12	2	0.4
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD13	9	0.4
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD12	2	0.4
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD13	9	0.4
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD13	9	0.4
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD13	9	0.4
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	11	0.4
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB1	4	0.4
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB1	4	0.4
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	11	0.4
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	3	0.4
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	12	0.4
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	2	0.4
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	2	0.4
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	11	0.4
(1,2656)	1:21:B:LEU:HD22	1:9:B:LEU:HD12	1	0.4
(1,2656)	1:21:B:LEU:HD22	1:9:B:LEU:HD12	6	0.4
(1,2655)	1:21:A:LEU:HD22	1:9:A:LEU:HD12	1	0.4
(1,2655)	1:21:A:LEU:HD22	1:9:A:LEU:HD12	6	0.4
(1,2652)	1:55:B:LEU:HD12	1:54:B:LEU:H	1	0.4
(1,2651)	1:55:A:LEU:HD12	1:54:A:LEU:H	1	0.4
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	6	0.4
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	6	0.4
(1,2542)	1:5:B:LEU:HD23	1:21:B:LEU:HB2	3	0.4
(1,2541)	1:5:A:LEU:HD23	1:21:A:LEU:HB2	3	0.4
(1,2502)	1:64:B:TYR:HB2	1:61:B:LEU:HD21	9	0.4
(1,2501)	1:64:A:TYR:HB2	1:61:A:LEU:HD21	9	0.4
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	8	0.4
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	15	0.4
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	3	0.4
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD11	4	0.4
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD11	4	0.4
(1,2350)	1:60:B:LEU:HD21	1:64:B:TYR:HE1	5	0.4
(1,2350)	1:60:B:LEU:HD22	1:64:B:TYR:HE2	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	7	0.4
(1,2349)	1:60:A:LEU:HD22	1:64:A:TYR:HE2	6	0.4
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	7	0.4
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	4	0.4
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	5	0.4
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	4	0.4
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	1	0.4
(1,2214)	1:2:B:PRO:HG3	1:12:B:ILE:HG12	12	0.4
(1,2213)	1:2:A:PRO:HG3	1:12:A:ILE:HG12	12	0.4
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	7	0.4
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	7	0.4
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	14	0.4
(1,1944)	1:50:B:HIS:HB2	1:14:B:LEU:HD22	11	0.4
(1,1943)	1:50:A:HIS:HB2	1:14:A:LEU:HD22	11	0.4
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	4	0.4
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	13	0.4
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	13	0.4
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	12	0.4
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	12	0.4
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD23	10	0.4
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	3	0.4
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	9	0.4
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	12	0.4
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	3	0.4
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD13	7	0.4
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	7	0.4
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	5	0.4
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	4	0.4
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	5	0.4
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	11	0.4
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	11	0.4
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	7	0.4
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	12	0.4
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	15	0.4
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD13	4	0.4
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	10	0.4
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	10	0.4
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD12	7	0.4
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	2	0.4
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD12	7	0.4
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	2	0.4
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	3	0.4
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG3	9	0.4
(1,1078)	1:15:B:GLU:HA	1:15:B:GLU:HG2	15	0.4
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	3	0.4
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG3	9	0.4
(1,1077)	1:15:A:GLU:HA	1:15:A:GLU:HG2	15	0.4
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD22	5	0.4
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD22	5	0.4
(1,1040)	1:51:B:ARG:HA	1:52:B:ALA:HA	15	0.4
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	4	0.4
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	14	0.4
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	4	0.4
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	14	0.4
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	3	0.4
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD12	4	0.4
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	6	0.4
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE2	14	0.4
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	11	0.4
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	15	0.4
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	11	0.4
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	12	0.4
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	15	0.4
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG21	12	0.4
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	1	0.4
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	1	0.4
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	7	0.4
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	9	0.4
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	7	0.4
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	9	0.4
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	14	0.4
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	14	0.4
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	1	0.4
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	1	0.4
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	6	0.4
(1,451)	1:39:A:HIS:H	1:35:A:LEU:HG	3	0.4
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	3	0.4
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	3	0.4
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	9	0.4
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD13	8	0.4
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	9	0.4
(1,352)	1:30:B:GLU:H	1:33:B:LYS:HE2	7	0.4
(1,344)	1:29:B:LEU:H	1:3:B:LYS:HA	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	4	0.4
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	14	0.4
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	6	0.4
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	14	0.4
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD11	10	0.4
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	6	0.4
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD11	10	0.4
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	15	0.4
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	15	0.4
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	2	0.39
(2,4846)	1:57:B:ALA:HB1	1:56:A:THR:HB	11	0.39
(2,4824)	1:8:B:LEU:HD12	1:60:A:LEU:H	10	0.39
(2,4821)	1:8:A:LEU:HD13	1:64:B:TYR:HE1	7	0.39
(2,4820)	1:8:B:LEU:HD13	1:56:A:THR:HG21	3	0.39
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG23	12	0.39
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG22	14	0.39
(2,4819)	1:8:A:LEU:HD13	1:56:B:THR:HG21	3	0.39
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD2	8	0.39
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	7	0.39
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	7	0.39
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	1	0.39
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	12	0.39
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	11	0.39
(2,4736)	1:12:B:ILE:HG23	1:59:A:GLU:HB3	4	0.39
(2,4735)	1:12:A:ILE:HG23	1:59:B:GLU:HB3	4	0.39
(2,4728)	1:52:B:ALA:HB1	1:49:A:GLN:HA	13	0.39
(2,4727)	1:52:A:ALA:HB1	1:49:B:GLN:HA	10	0.39
(2,4727)	1:52:A:ALA:HB1	1:49:B:GLN:HA	13	0.39
(2,4726)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	6	0.39
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	10	0.39
(2,4684)	1:29:B:LEU:HA	1:32:B:PHE:HD1	15	0.39
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	10	0.39
(2,4683)	1:29:A:LEU:HA	1:32:A:PHE:HD1	15	0.39
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	13	0.39
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	1	0.39
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	15	0.39
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD1	2	0.39
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE1	13	0.39
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE1	13	0.39
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	13	0.39
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	4	0.39
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB1	15	0.39
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	1	0.39
(2,4046)	1:55:B:LEU:HD11	1:58:B:ALA:HB1	4	0.39
(2,4045)	1:55:A:LEU:HD11	1:58:A:ALA:HB1	4	0.39
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	8	0.39
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG23	10	0.39
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG23	10	0.39
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD11	8	0.39
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD11	12	0.39
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD11	8	0.39
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD11	12	0.39
(2,3915)	1:14:A:LEU:HD11	1:50:A:HIS:HD2	2	0.39
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG21	3	0.39
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	12	0.39
(2,3730)	1:22:B:LEU:HD12	1:19:B:SER:H	9	0.39
(2,3729)	1:22:A:LEU:HD12	1:19:A:SER:H	9	0.39
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE1	5	0.39
(2,3553)	1:8:A:LEU:HD12	1:32:A:PHE:HE1	5	0.39
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE2	13	0.39
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	4	0.39
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	4	0.39
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	1	0.39
(2,3129)	1:30:A:GLU:HB3	1:28:A:THR:HG22	15	0.39
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	7	0.39
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	2	0.39
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	6	0.39
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	12	0.39
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	6	0.39
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	12	0.39
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	4	0.39
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	5	0.39
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	4	0.39
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	5	0.39
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	8	0.39
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	12	0.39
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	8	0.39
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	12	0.39
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	1	0.39
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	13	0.39
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	9	0.39
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	9	0.39
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	15	0.39
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	3	0.39
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	13	0.39
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	3	0.39
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	13	0.39
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG23	6	0.39
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	3	0.39
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	15	0.39
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	7	0.39
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	7	0.39
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	9	0.39
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	4	0.39
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	5	0.39
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	11	0.39
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	4	0.39
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	5	0.39
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	5	0.39
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	5	0.39
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	1	0.39
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	1	0.39
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	14	0.39
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	1	0.39
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	14	0.39
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE1	6	0.39
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	13	0.39
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	13	0.39
(2,1270)	1:44:B:ASN:HD22	1:45:B:ILE:HA	5	0.39
(2,1204)	1:41:B:ASN:HD22	1:37:B:GLU:HG3	2	0.39
(2,1203)	1:41:A:ASN:HD22	1:37:A:GLU:HG3	2	0.39
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD21	13	0.39
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD13	7	0.39
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	10	0.39
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	4	0.39
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	5	0.39
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	5	0.39
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD12	7	0.39
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD12	15	0.39
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD12	7	0.39
(2,507)	1:26:A:TYR:H	1:24:A:ASN:HD22	11	0.39
(2,59)	1:59:A:GLU:H	1:60:B:LEU:HD22	12	0.39
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	1	0.39
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	14	0.39
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	15	0.39
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	1	0.39
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	13	0.39
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	1	0.39
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	13	0.39
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	3	0.39
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	9	0.39
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	3	0.39
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	9	0.39
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	5	0.39
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	5	0.39
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB1	13	0.39
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	7	0.39
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	11	0.39
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	15	0.39
(1,3036)	1:49:B:GLN:H	1:50:B:HIS:HD2	13	0.39
(1,3035)	1:49:A:GLN:H	1:50:A:HIS:HD2	13	0.39
(1,3021)	1:64:A:TYR:HE1	1:65:B:ASP:H	13	0.39
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	12	0.39
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	9	0.39
(1,2844)	1:45:B:ILE:HD12	1:54:B:LEU:HB2	11	0.39
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	9	0.39
(1,2843)	1:45:A:ILE:HD12	1:54:A:LEU:HB2	11	0.39
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	13	0.39
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD12	10	0.39
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD12	10	0.39
(1,2788)	1:46:B:MET:HE3	1:46:B:MET:H	14	0.39
(1,2787)	1:46:A:MET:HE3	1:46:A:MET:H	14	0.39
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	15	0.39
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	15	0.39
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	3	0.39
(1,2783)	1:12:A:ILE:HG22	1:61:B:LEU:H	10	0.39
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	2	0.39
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	3	0.39
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	10	0.39
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	10	0.39
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	9	0.39
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	12	0.39
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	11	0.39
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	12	0.39
(1,2656)	1:21:B:LEU:HD23	1:9:B:LEU:HD11	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD12	10	0.39
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	9	0.39
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	9	0.39
(1,2592)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	15	0.39
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD21	6	0.39
(1,2542)	1:5:B:LEU:HD23	1:21:B:LEU:HB2	5	0.39
(1,2541)	1:5:A:LEU:HD23	1:21:A:LEU:HB2	5	0.39
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD12	8	0.39
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	14	0.39
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	14	0.39
(1,2349)	1:60:A:LEU:HD21	1:64:A:TYR:HE1	5	0.39
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	13	0.39
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	13	0.39
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	7	0.39
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	7	0.39
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	5	0.39
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	5	0.39
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	14	0.39
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	4	0.39
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	10	0.39
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD21	5	0.39
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD23	10	0.39
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	9	0.39
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	15	0.39
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	9	0.39
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	15	0.39
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	9	0.39
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	13	0.39
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	12	0.39
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	4	0.39
(1,1316)	1:44:B:ASN:HA	1:43:B:LEU:HB2	14	0.39
(1,1315)	1:44:A:ASN:HA	1:43:A:LEU:HB2	14	0.39
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	3	0.39
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	10	0.39
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	12	0.39
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	3	0.39
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	10	0.39
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD13	4	0.39
(1,1272)	1:41:B:ASN:HA	1:43:B:LEU:HD12	11	0.39
(1,1271)	1:41:A:ASN:HA	1:43:A:LEU:HD12	11	0.39
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD23	14	0.39
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD23	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	1	0.39
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	2	0.39
(1,1039)	1:51:A:ARG:HA	1:52:A:ALA:HA	15	0.39
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	13	0.39
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	13	0.39
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD12	4	0.39
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	14	0.39
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	2	0.39
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	11	0.39
(1,790)	1:68:B:CYS:H	1:66:A:THR:HA	15	0.39
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE2	14	0.39
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	1	0.39
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	1	0.39
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	15	0.39
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD12	15	0.39
(1,626)	1:57:B:ALA:H	1:60:B:LEU:HB2	9	0.39
(1,625)	1:57:A:ALA:H	1:60:A:LEU:HB2	9	0.39
(1,607)	1:56:A:THR:H	1:56:B:THR:HG23	3	0.39
(1,607)	1:56:A:THR:H	1:56:B:THR:HG21	8	0.39
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD21	5	0.39
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	12	0.39
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD21	5	0.39
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	12	0.39
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	6	0.39
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	9	0.39
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	9	0.39
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	10	0.39
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD21	10	0.39
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	12	0.39
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD21	10	0.39
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD13	8	0.39
(1,351)	1:30:A:GLU:H	1:33:A:LYS:HE2	7	0.39
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	15	0.39
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	4	0.39
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	9	0.39
(1,306)	1:26:B:TYR:H	1:22:B:LEU:HB3	1	0.39
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	6	0.39
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD11	6	0.39
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	1	0.39
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD11	5	0.39
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	9	0.39
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD11	9	0.38
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	9	0.38
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	11	0.38
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	2	0.38
(2,4852)	1:56:B:THR:HG21	1:8:A:LEU:HD11	11	0.38
(2,4846)	1:57:B:ALA:HB1	1:56:A:THR:HB	4	0.38
(2,4846)	1:57:B:ALA:HB3	1:56:A:THR:HB	5	0.38
(2,4845)	1:57:A:ALA:HB1	1:56:B:THR:HB	4	0.38
(2,4845)	1:57:A:ALA:HB3	1:56:B:THR:HB	5	0.38
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB2	8	0.38
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	7	0.38
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG23	12	0.38
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG22	14	0.38
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG21	7	0.38
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB3	13	0.38
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB3	13	0.38
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	3	0.38
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	6	0.38
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	9	0.38
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	9	0.38
(2,4735)	1:12:A:ILE:HG22	1:59:B:GLU:HB3	8	0.38
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	11	0.38
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD13	3	0.38
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	7	0.38
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	10	0.38
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	1	0.38
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	14	0.38
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	9	0.38
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	9	0.38
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD11	3	0.38
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD11	3	0.38
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE1	4	0.38
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE1	4	0.38
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	7	0.38
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	8	0.38
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	3	0.38
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	10	0.38
(2,4151)	1:12:A:ILE:HD12	1:32:A:PHE:HD1	9	0.38
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG21	8	0.38
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	9	0.38
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG22	4	0.38
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG21	8	0.38
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	9	0.38
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	8	0.38
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD12	2	0.38
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD12	13	0.38
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD12	2	0.38
(2,3923)	1:55:A:LEU:HD23	1:55:A:LEU:HD12	13	0.38
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	1	0.38
(2,3916)	1:14:B:LEU:HD11	1:50:B:HIS:HD2	2	0.38
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	1	0.38
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	1	0.38
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	2	0.38
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	4	0.38
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG22	12	0.38
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	2	0.38
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	4	0.38
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG22	12	0.38
(2,3844)	1:43:B:LEU:HD23	1:26:B:TYR:HD2	9	0.38
(2,3826)	1:40:B:LEU:HD11	1:36:B:ARG:HA	5	0.38
(2,3825)	1:40:A:LEU:HD11	1:36:A:ARG:HA	5	0.38
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD11	6	0.38
(2,3712)	1:61:B:LEU:HD22	1:64:A:TYR:HD2	2	0.38
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD11	6	0.38
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD13	12	0.38
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD11	6	0.38
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD13	12	0.38
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	13	0.38
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	1	0.38
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	13	0.38
(2,3130)	1:30:B:GLU:HB3	1:28:B:THR:HG22	15	0.38
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	7	0.38
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG23	5	0.38
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	10	0.38
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	10	0.38
(2,2712)	1:30:B:GLU:H	1:30:B:GLU:HG3	15	0.38
(2,2711)	1:30:A:GLU:H	1:30:A:GLU:HG3	15	0.38
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	9	0.38
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	14	0.38
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	14	0.38
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	13	0.38
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	11	0.38
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	11	0.38
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	15	0.38
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	8	0.38
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	8	0.38
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	8	0.38
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	8	0.38
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD12	3	0.38
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD12	3	0.38
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD21	10	0.38
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD21	10	0.38
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	1	0.38
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	1	0.38
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	11	0.38
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	10	0.38
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	10	0.38
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	15	0.38
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	3	0.38
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	4	0.38
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	4	0.38
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	9	0.38
(2,1269)	1:44:A:ASN:HD22	1:45:A:ILE:HA	5	0.38
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	7	0.38
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	13	0.38
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	15	0.38
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	7	0.38
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	13	0.38
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	15	0.38
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	3	0.38
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	3	0.38
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD12	2	0.38
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD12	2	0.38
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	5	0.38
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD13	7	0.38
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	10	0.38
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	8	0.38
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	8	0.38
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	12	0.38
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	12	0.38
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	14	0.38
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	12	0.38
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	14	0.38
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	4	0.38
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	4	0.38
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	15	0.38
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	15	0.38
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	14	0.38
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	14	0.38
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	3	0.38
(2,60)	1:59:B:GLU:H	1:60:A:LEU:HD22	12	0.38
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD23	5	0.38
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	1	0.38
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	9	0.38
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB1	10	0.38
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	9	0.38
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB1	10	0.38
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	7	0.38
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	1	0.38
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	10	0.38
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	1	0.38
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	10	0.38
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	4	0.38
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	4	0.38
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	13	0.38
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD2	9	0.38
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD2	9	0.38
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD13	9	0.38
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD13	9	0.38
(1,2854)	1:45:B:ILE:HD11	1:47:B:ASP:HB2	7	0.38
(1,2853)	1:45:A:ILE:HD11	1:47:A:ASP:HB2	7	0.38
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD13	8	0.38
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE2	13	0.38
(1,2785)	1:12:A:ILE:HG21	1:60:B:LEU:H	3	0.38
(1,2785)	1:12:A:ILE:HG22	1:60:B:LEU:H	8	0.38
(1,2785)	1:12:A:ILE:HG23	1:60:B:LEU:H	14	0.38
(1,2784)	1:12:B:ILE:HG22	1:61:A:LEU:H	10	0.38
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	6	0.38
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	12	0.38
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB3	6	0.38
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB3	6	0.38
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	14	0.38
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	2	0.38
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	11	0.38
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG23	4	0.38
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG23	4	0.38
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	9	0.38
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG22	5	0.38
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG22	11	0.38
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG21	8	0.38
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG21	8	0.38
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD11	4	0.38
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	8	0.38
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD11	4	0.38
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	12	0.38
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD13	4	0.38
(1,2655)	1:21:A:LEU:HD23	1:9:A:LEU:HD11	2	0.38
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD13	4	0.38
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD12	10	0.38
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD21	6	0.38
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	3	0.38
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD12	8	0.38
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	7	0.38
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	7	0.38
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD12	10	0.38
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD12	10	0.38
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD13	8	0.38
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	13	0.38
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	13	0.38
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	11	0.38
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	11	0.38
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	1	0.38
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	1	0.38
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	9	0.38
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	9	0.38
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	10	0.38
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	7	0.38
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD2	4	0.38
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD2	4	0.38
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	11	0.38
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	6	0.38
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	12	0.38
(1,1440)	1:36:B:ARG:HD3	1:34:B:GLU:H	9	0.38
(1,1439)	1:36:A:ARG:HD3	1:34:A:GLU:H	9	0.38
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	3	0.38
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	14	0.38
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	14	0.38
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	14	0.38
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	14	0.38
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD23	7	0.38
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD23	7	0.38
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	4	0.38
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	12	0.38
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	4	0.38
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	12	0.38
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	9	0.38
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	9	0.38
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	11	0.38
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	13	0.38
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	1	0.38
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	13	0.38
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	3	0.38
(1,956)	1:2:B:PRO:HA	1:3:B:LYS:HE3	1	0.38
(1,955)	1:2:A:PRO:HA	1:3:A:LYS:HE3	1	0.38
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	14	0.38
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD13	1	0.38
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD13	1	0.38
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	2	0.38
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	5	0.38
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	11	0.38
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	15	0.38
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	12	0.38
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	12	0.38
(1,789)	1:68:A:CYS:H	1:66:B:THR:HA	15	0.38
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG21	15	0.38
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD23	13	0.38
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	14	0.38
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD23	13	0.38
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	14	0.38
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	15	0.38
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB3	11	0.38
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB3	11	0.38
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD12	15	0.38
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	15	0.38
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	15	0.38
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD21	1	0.38
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD21	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD21	10	0.38
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD21	10	0.38
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	10	0.38
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	7	0.38
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	14	0.38
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	7	0.38
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	12	0.38
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	14	0.38
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	4	0.38
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	4	0.38
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	15	0.38
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	6	0.38
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	9	0.38
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	6	0.38
(1,305)	1:26:A:TYR:H	1:22:A:LEU:HB3	1	0.38
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	12	0.38
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	12	0.38
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	3	0.38
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD11	5	0.38
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD12	8	0.38
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	9	0.38
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	1	0.38
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	3	0.38
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD12	8	0.38
(2,4851)	1:56:A:THR:HG21	1:8:B:LEU:HD11	11	0.37
(2,4846)	1:57:B:ALA:HB3	1:56:A:THR:HB	6	0.37
(2,4846)	1:57:B:ALA:HB2	1:56:A:THR:HB	13	0.37
(2,4845)	1:57:A:ALA:HB3	1:56:B:THR:HB	6	0.37
(2,4835)	1:12:A:ILE:HD12	1:56:B:THR:HG23	6	0.37
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	7	0.37
(2,4825)	1:55:A:LEU:HD21	1:53:B:LYS:HE3	13	0.37
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE2	13	0.37
(2,4735)	1:12:A:ILE:HG21	1:59:B:GLU:HB3	12	0.37
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	12	0.37
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	4	0.37
(2,4725)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	14	0.37
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD11	11	0.37
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE1	9	0.37
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE1	9	0.37
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	7	0.37
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	10	0.37
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	14	0.37
(2,4387)	1:26:A:TYR:HB2	1:5:A:LEU:HD12	1	0.37
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE1	7	0.37
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE1	7	0.37
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	2	0.37
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	2	0.37
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	7	0.37
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	8	0.37
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	9	0.37
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	9	0.37
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	2	0.37
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	10	0.37
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	2	0.37
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB1	15	0.37
(2,4152)	1:12:B:ILE:HD12	1:32:B:PHE:HD1	9	0.37
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD12	6	0.37
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD12	6	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	3	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG22	4	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	5	0.37
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	12	0.37
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	3	0.37
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	11	0.37
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	12	0.37
(2,4046)	1:55:B:LEU:HD13	1:58:B:ALA:HB1	1	0.37
(2,4045)	1:55:A:LEU:HD13	1:58:A:ALA:HB1	1	0.37
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD13	3	0.37
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD13	3	0.37
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	1	0.37
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	5	0.37
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	4	0.37
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG21	11	0.37
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	4	0.37
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG21	11	0.37
(2,3843)	1:43:A:LEU:HD23	1:26:A:TYR:HD2	9	0.37
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	1	0.37
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	1	0.37
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD11	6	0.37
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD23	5	0.37
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD23	5	0.37
(2,3730)	1:22:B:LEU:HD11	1:19:B:SER:H	4	0.37
(2,3711)	1:61:A:LEU:HD22	1:64:B:TYR:HD2	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD11	12	0.37
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE2	7	0.37
(2,3553)	1:8:A:LEU:HD12	1:32:A:PHE:HE2	7	0.37
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	15	0.37
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	15	0.37
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	10	0.37
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	11	0.37
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	14	0.37
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	10	0.37
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	14	0.37
(2,3394)	1:39:B:HIS:H	1:55:B:LEU:HG	14	0.37
(2,3393)	1:39:A:HIS:H	1:55:A:LEU:HG	14	0.37
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	6	0.37
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	10	0.37
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	6	0.37
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG21	9	0.37
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG21	9	0.37
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	6	0.37
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	6	0.37
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	13	0.37
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	9	0.37
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	13	0.37
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	8	0.37
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	8	0.37
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	8	0.37
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	8	0.37
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	7	0.37
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	7	0.37
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	10	0.37
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	10	0.37
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	10	0.37
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	6	0.37
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	6	0.37
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	1	0.37
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	9	0.37
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	9	0.37
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	1	0.37
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	1	0.37
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	10	0.37
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	10	0.37
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	15	0.37
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	3	0.37
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	5	0.37
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG23	11	0.37
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG23	11	0.37
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	5	0.37
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	9	0.37
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	9	0.37
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	12	0.37
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	1	0.37
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	1	0.37
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	6	0.37
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	4	0.37
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	4	0.37
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	4	0.37
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	11	0.37
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	11	0.37
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	11	0.37
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	6	0.37
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	6	0.37
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	3	0.37
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	5	0.37
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	3	0.37
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	5	0.37
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	3	0.37
(1,3022)	1:64:B:TYR:HE1	1:65:A:ASP:H	13	0.37
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	13	0.37
(1,2948)	1:60:B:LEU:HD22	1:64:B:TYR:HD2	13	0.37
(1,2947)	1:60:A:LEU:HD22	1:64:A:TYR:HD2	13	0.37
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	12	0.37
(1,2906)	1:56:B:THR:HG23	1:60:B:LEU:HB2	8	0.37
(1,2905)	1:56:A:THR:HG23	1:60:A:LEU:HB2	8	0.37
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD12	10	0.37
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD13	8	0.37
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE2	13	0.37
(1,2787)	1:46:A:MET:HE2	1:46:A:MET:H	6	0.37
(1,2786)	1:12:B:ILE:HG23	1:60:A:LEU:H	14	0.37
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	9	0.37
(1,2782)	1:12:B:ILE:HG23	1:59:A:GLU:H	2	0.37
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	14	0.37
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	9	0.37
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	9	0.37
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG22	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG22	11	0.37
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	7	0.37
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	8	0.37
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	11	0.37
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	8	0.37
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD21	5	0.37
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD21	5	0.37
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD11	9	0.37
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD11	9	0.37
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD11	14	0.37
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD13	8	0.37
(1,2318)	1:9:B:LEU:HD22	1:20:B:THR:HB	15	0.37
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	3	0.37
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	3	0.37
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	2	0.37
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	2	0.37
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	14	0.37
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	14	0.37
(1,2198)	1:14:B:LEU:HD21	1:49:B:GLN:HB2	10	0.37
(1,2197)	1:14:A:LEU:HD21	1:49:A:GLN:HB2	10	0.37
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	2	0.37
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	2	0.37
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	1	0.37
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	1	0.37
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	1	0.37
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	1	0.37
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	3	0.37
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	3	0.37
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD13	9	0.37
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	12	0.37
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD13	9	0.37
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	12	0.37
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	15	0.37
(1,1403)	1:51:A:ARG:HD3	1:37:A:GLU:HG2	11	0.37
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	7	0.37
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	15	0.37
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	14	0.37
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	14	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	1	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	2	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	3	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	5	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	6	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	7	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	8	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	9	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	10	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	11	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	12	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	13	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	14	0.37
(1,1248)	1:23:B:LEU:HA	1:23:B:LEU:HB2	15	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	1	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	2	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	3	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	4	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	5	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	6	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	7	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	8	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	9	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	10	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	11	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	12	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	13	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	14	0.37
(1,1247)	1:23:A:LEU:HA	1:23:A:LEU:HB2	15	0.37
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	2	0.37
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	5	0.37
(1,1164)	1:22:B:LEU:HA	1:22:B:LEU:HD21	11	0.37
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	5	0.37
(1,1163)	1:22:A:LEU:HA	1:22:A:LEU:HD21	11	0.37
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	11	0.37
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	7	0.37
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	7	0.37
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	10	0.37
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	10	0.37
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	12	0.37
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	12	0.37
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	7	0.37
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	7	0.37
(1,975)	1:19:A:SER:HB2	1:23:A:LEU:HG	1	0.37
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD11	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD11	1	0.37
(1,971)	1:19:A:SER:HB2	1:23:A:LEU:HD11	9	0.37
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD13	4	0.37
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD13	4	0.37
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	5	0.37
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	5	0.37
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	5	0.37
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	15	0.37
(1,745)	1:65:A:ASP:H	1:64:B:TYR:HE1	8	0.37
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	8	0.37
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	14	0.37
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	8	0.37
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	14	0.37
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	3	0.37
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	3	0.37
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	12	0.37
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	9	0.37
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	9	0.37
(1,608)	1:56:B:THR:H	1:56:A:THR:HG22	2	0.37
(1,608)	1:56:B:THR:H	1:56:A:THR:HG23	3	0.37
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	8	0.37
(1,607)	1:56:A:THR:H	1:56:B:THR:HG22	2	0.37
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD22	2	0.37
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD21	13	0.37
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD22	2	0.37
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD21	11	0.37
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	2	0.37
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD22	11	0.37
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	2	0.37
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD22	11	0.37
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	9	0.37
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	12	0.37
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	9	0.37
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	12	0.37
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	6	0.37
(1,376)	1:32:B:PHE:H	1:34:B:GLU:HG2	8	0.37
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	13	0.37
(1,375)	1:32:A:PHE:H	1:34:A:GLU:HG2	8	0.37
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	13	0.37
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	1	0.37
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	10	0.37
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD11	6	0.37
(1,100)	1:5:B:LEU:H	1:5:B:LEU:HD13	14	0.37
(1,99)	1:5:A:LEU:H	1:5:A:LEU:HD13	14	0.37
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	13	0.37
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	13	0.37
(1,38)	1:67:B:GLY:H	1:67:A:GLY:HA2	9	0.37
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	10	0.36
(2,4845)	1:57:A:ALA:HB2	1:56:B:THR:HB	13	0.36
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	8	0.36
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE2	6	0.36
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE2	13	0.36
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	12	0.36
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD1	4	0.36
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD1	4	0.36
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	15	0.36
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	15	0.36
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	4	0.36
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	11	0.36
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	12	0.36
(2,4726)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	14	0.36
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD13	3	0.36
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	14	0.36
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	3	0.36
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD2	7	0.36
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD2	7	0.36
(2,4388)	1:26:B:TYR:HB2	1:5:B:LEU:HD12	1	0.36
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	3	0.36
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	2	0.36
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	2	0.36
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD1	1	0.36
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD1	1	0.36
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	11	0.36
(2,3942)	1:36:B:ARG:HA	1:55:B:LEU:HD11	15	0.36
(2,3941)	1:36:A:ARG:HA	1:55:A:LEU:HD11	15	0.36
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD12	5	0.36
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD12	14	0.36
(2,3923)	1:55:A:LEU:HD23	1:55:A:LEU:HD12	5	0.36
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD12	14	0.36
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	5	0.36
(2,3840)	1:24:B:ASN:HB3	1:43:B:LEU:HD21	6	0.36
(2,3839)	1:24:A:ASN:HB3	1:43:A:LEU:HD21	6	0.36
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	4	0.36
(2,3729)	1:22:A:LEU:HD11	1:19:A:SER:H	4	0.36
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	11	0.36
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	11	0.36
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	15	0.36
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD11	12	0.36
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	15	0.36
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD21	13	0.36
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD21	13	0.36
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	8	0.36
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	8	0.36
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	11	0.36
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	11	0.36
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD11	12	0.36
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	11	0.36
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD11	12	0.36
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE2	13	0.36
(2,3302)	1:48:B:PRO:HG3	1:49:B:GLN:H	4	0.36
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	4	0.36
(2,3301)	1:48:A:PRO:HG3	1:49:A:GLN:H	10	0.36
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	2	0.36
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	2	0.36
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	11	0.36
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	9	0.36
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	13	0.36
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	9	0.36
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	13	0.36
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD12	15	0.36
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD12	15	0.36
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	13	0.36
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	2	0.36
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	3	0.36
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	4	0.36
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	2	0.36
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	4	0.36
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	10	0.36
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	8	0.36
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	9	0.36
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	9	0.36
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	14	0.36
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	14	0.36
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	9	0.36
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	5	0.36
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	6	0.36
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD13	4	0.36
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	7	0.36
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	7	0.36
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	6	0.36
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	14	0.36
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	6	0.36
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	14	0.36
(2,639)	1:34:A:GLU:H	1:35:A:LEU:HD13	7	0.36
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	3	0.36
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	4	0.36
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	3	0.36
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	4	0.36
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	2	0.36
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	3	0.36
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	1	0.36
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	1	0.36
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD23	3	0.36
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	14	0.36
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	14	0.36
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	3	0.36
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	5	0.36
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	5	0.36
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	6	0.36
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	7	0.36
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD13	7	0.36
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD13	7	0.36
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD12	10	0.36
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	11	0.36
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	11	0.36
(1,2788)	1:46:B:MET:HE2	1:46:B:MET:H	6	0.36
(1,2788)	1:46:B:MET:HE2	1:46:B:MET:H	15	0.36
(1,2786)	1:12:B:ILE:HG21	1:60:A:LEU:H	3	0.36
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	3	0.36
(1,2784)	1:12:B:ILE:HG23	1:61:A:LEU:H	4	0.36
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	12	0.36
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	15	0.36
(1,2783)	1:12:A:ILE:HG23	1:61:B:LEU:H	4	0.36
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	9	0.36
(1,2783)	1:12:A:ILE:HG21	1:61:B:LEU:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:12:A:ILE:HG23	1:59:B:GLU:H	2	0.36
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB1	8	0.36
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB1	8	0.36
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	1	0.36
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	8	0.36
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	12	0.36
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	7	0.36
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	4	0.36
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	9	0.36
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	4	0.36
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	5	0.36
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG22	6	0.36
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	9	0.36
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD12	2	0.36
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	5	0.36
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	8	0.36
(1,2658)	1:9:B:LEU:HD13	1:21:B:LEU:HB2	10	0.36
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	5	0.36
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	11	0.36
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD11	14	0.36
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD11	14	0.36
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	4	0.36
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	13	0.36
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	4	0.36
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	13	0.36
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD23	1	0.36
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD23	1	0.36
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	15	0.36
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	15	0.36
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD11	14	0.36
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	1	0.36
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	10	0.36
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	1	0.36
(1,2317)	1:9:A:LEU:HD22	1:20:A:THR:HB	15	0.36
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	4	0.36
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	7	0.36
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	4	0.36
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	7	0.36
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	6	0.36
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	6	0.36
(1,2197)	1:14:A:LEU:HD23	1:49:A:GLN:HB2	9	0.36
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	4	0.36
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	12	0.36
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	12	0.36
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	7	0.36
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	13	0.36
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	13	0.36
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	2	0.36
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	14	0.36
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	2	0.36
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	14	0.36
(1,1404)	1:51:B:ARG:HD3	1:37:B:GLU:HG2	11	0.36
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	13	0.36
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	13	0.36
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	2	0.36
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	7	0.36
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	2	0.36
(1,1290)	1:57:B:ALA:HA	1:12:B:ILE:HB	2	0.36
(1,1289)	1:57:A:ALA:HA	1:12:A:ILE:HB	2	0.36
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	2	0.36
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	15	0.36
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	15	0.36
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD13	5	0.36
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD13	5	0.36
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	9	0.36
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	13	0.36
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	9	0.36
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	13	0.36
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	5	0.36
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	5	0.36
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	9	0.36
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	9	0.36
(1,976)	1:19:B:SER:HB2	1:23:B:LEU:HG	1	0.36
(1,972)	1:19:B:SER:HB2	1:23:B:LEU:HD11	1	0.36
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	12	0.36
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	12	0.36
(1,845)	1:7:A:GLU:H	1:29:A:LEU:HG	9	0.36
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	8	0.36
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	12	0.36
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	8	0.36
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	10	0.36
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	10	0.36
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD12	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD21	11	0.36
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD21	3	0.36
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD21	13	0.36
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	4	0.36
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	1	0.36
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	3	0.36
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	3	0.36
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	6	0.36
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD11	2	0.36
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	1	0.36
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD11	2	0.36
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	9	0.36
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	9	0.36
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	9	0.36
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	9	0.36
(1,37)	1:67:A:GLY:H	1:67:B:GLY:HA2	9	0.36
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	11	0.35
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	11	0.35
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB2	8	0.35
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB2	11	0.35
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB2	6	0.35
(2,4764)	1:8:B:LEU:HD22	1:64:A:TYR:HD1	14	0.35
(2,4763)	1:8:A:LEU:HD22	1:64:B:TYR:HD1	14	0.35
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	3	0.35
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	2	0.35
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	2	0.35
(2,4751)	1:60:A:LEU:HD12	1:11:B:ARG:HD3	10	0.35
(2,4741)	1:12:A:ILE:HG21	1:60:B:LEU:H	3	0.35
(2,4741)	1:12:A:ILE:HG22	1:60:B:LEU:H	8	0.35
(2,4741)	1:12:A:ILE:HG23	1:60:B:LEU:H	14	0.35
(2,4736)	1:12:B:ILE:HG22	1:59:A:GLU:HB3	8	0.35
(2,4736)	1:12:B:ILE:HG21	1:59:A:GLU:HB3	12	0.35
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	14	0.35
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	2	0.35
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	2	0.35
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	13	0.35
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	3	0.35
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	10	0.35
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE2	10	0.35
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE2	10	0.35
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	2	0.35
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	3	0.35
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	6	0.35
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	15	0.35
(2,4293)	1:8:A:LEU:HD12	1:2:A:PRO:HG2	13	0.35
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG23	15	0.35
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG23	15	0.35
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD21	13	0.35
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD23	8	0.35
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD21	13	0.35
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD12	2	0.35
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	4	0.35
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD12	2	0.35
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	4	0.35
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	7	0.35
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	7	0.35
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	5	0.35
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	9	0.35
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	14	0.35
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	9	0.35
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	14	0.35
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD1	6	0.35
(2,3536)	1:35:B:LEU:HD22	1:26:B:TYR:HD2	11	0.35
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	12	0.35
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	12	0.35
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	15	0.35
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	15	0.35
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	13	0.35
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	13	0.35
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	4	0.35
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	4	0.35
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	8	0.35
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	11	0.35
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	13	0.35
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	1	0.35
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	8	0.35
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	1	0.35
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	3	0.35
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD11	7	0.35
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	1	0.35
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	14	0.35
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	14	0.35
(2,2522)	1:24:B:ASN:HB3	1:20:B:THR:HG23	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2521)	1:24:A:ASN:HB3	1:20:A:THR:HG23	7	0.35
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG23	6	0.35
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	2	0.35
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	2	0.35
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD12	5	0.35
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	6	0.35
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	12	0.35
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD12	5	0.35
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	6	0.35
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	8	0.35
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	12	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	2	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	4	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	10	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	11	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	12	0.35
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	13	0.35
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	2	0.35
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	4	0.35
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	11	0.35
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	12	0.35
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	13	0.35
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	9	0.35
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	10	0.35
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	11	0.35
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	13	0.35
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	15	0.35
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	4	0.35
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	10	0.35
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	11	0.35
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	15	0.35
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	7	0.35
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	9	0.35
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	12	0.35
(2,1518)	1:38:B:THR:HA	1:40:B:LEU:HB3	3	0.35
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD22	6	0.35
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD22	6	0.35
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD11	1	0.35
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD11	1	0.35
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE1	4	0.35
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD11	9	0.35
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD11	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	7	0.35
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	10	0.35
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	4	0.35
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	7	0.35
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	10	0.35
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	9	0.35
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD12	14	0.35
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD12	14	0.35
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	5	0.35
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	5	0.35
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD22	9	0.35
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD22	9	0.35
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG22	4	0.35
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG22	4	0.35
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	3	0.35
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD22	11	0.35
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD22	11	0.35
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD13	4	0.35
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	6	0.35
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	12	0.35
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD13	4	0.35
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	5	0.35
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	5	0.35
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	8	0.35
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	8	0.35
(2,640)	1:34:B:GLU:H	1:35:B:LEU:HD13	7	0.35
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	8	0.35
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	2	0.35
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	8	0.35
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD13	7	0.35
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD13	7	0.35
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD21	9	0.35
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD21	9	0.35
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	3	0.35
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	4	0.35
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	14	0.35
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	2	0.35
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	2	0.35
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	1	0.35
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB2	14	0.35
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB2	1	0.35
(1,3124)	1:11:B:ARG:HB3	1:60:A:LEU:H	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:11:A:ARG:HB3	1:60:B:LEU:H	2	0.35
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	11	0.35
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	11	0.35
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	12	0.35
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	5	0.35
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	5	0.35
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	4	0.35
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	4	0.35
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	7	0.35
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	13	0.35
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	13	0.35
(1,2787)	1:46:A:MET:HE2	1:46:A:MET:H	15	0.35
(1,2786)	1:12:B:ILE:HG22	1:60:A:LEU:H	8	0.35
(1,2764)	1:56:B:THR:HB	1:57:B:ALA:HB3	2	0.35
(1,2763)	1:56:A:THR:HB	1:57:A:ALA:HB3	2	0.35
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	12	0.35
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	1	0.35
(1,2719)	1:52:A:ALA:HB3	1:12:B:ILE:HB	13	0.35
(1,2708)	1:29:B:LEU:H	1:28:B:THR:HG23	8	0.35
(1,2707)	1:29:A:LEU:H	1:28:A:THR:HG23	8	0.35
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG21	5	0.35
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG21	5	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG23	2	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG23	3	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	5	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG22	6	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG23	7	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	8	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG23	10	0.35
(1,2676)	1:4:B:THR:HG22	1:4:B:THR:HA	11	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	12	0.35
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	13	0.35
(1,2676)	1:4:B:THR:HG22	1:4:B:THR:HA	15	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG23	3	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG23	7	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	8	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG23	10	0.35
(1,2675)	1:4:A:THR:HG22	1:4:A:THR:HA	11	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	12	0.35
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	13	0.35
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD12	2	0.35
(1,2657)	1:9:A:LEU:HD13	1:21:A:LEU:HB2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:9:B:LEU:HD23	1:9:B:LEU:HD12	7	0.35
(1,2654)	1:9:B:LEU:HD23	1:9:B:LEU:HD13	10	0.35
(1,2653)	1:9:A:LEU:HD23	1:9:A:LEU:HD12	7	0.35
(1,2653)	1:9:A:LEU:HD23	1:9:A:LEU:HD13	10	0.35
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	8	0.35
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	6	0.35
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	6	0.35
(1,2624)	1:53:B:LYS:HD3	1:14:B:LEU:HD11	12	0.35
(1,2623)	1:53:A:LYS:HD3	1:14:A:LEU:HD11	12	0.35
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD11	10	0.35
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD11	10	0.35
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	13	0.35
(1,2602)	1:60:B:LEU:HD11	1:57:A:ALA:HA	6	0.35
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	14	0.35
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD13	13	0.35
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD13	13	0.35
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD11	7	0.35
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	10	0.35
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	14	0.35
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	14	0.35
(1,2296)	1:11:B:ARG:HG3	1:2:B:PRO:HD3	9	0.35
(1,2295)	1:11:A:ARG:HG3	1:2:A:PRO:HD3	9	0.35
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	9	0.35
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	9	0.35
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	4	0.35
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	4	0.35
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	13	0.35
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	13	0.35
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	9	0.35
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	9	0.35
(1,2198)	1:14:B:LEU:HD21	1:49:B:GLN:HB2	5	0.35
(1,2198)	1:14:B:LEU:HD23	1:49:B:GLN:HB2	9	0.35
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	7	0.35
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	7	0.35
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	13	0.35
(1,2038)	1:17:B:HIS:HB2	1:54:B:LEU:HA	13	0.35
(1,2037)	1:17:A:HIS:HB2	1:54:A:LEU:HA	13	0.35
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	11	0.35
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	11	0.35
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	4	0.35
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	4	0.35
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	13	0.35
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	11	0.35
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	13	0.35
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	8	0.35
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	8	0.35
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD12	13	0.35
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD12	13	0.35
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	3	0.35
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	6	0.35
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD23	12	0.35
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD23	12	0.35
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	1	0.35
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	1	0.35
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	1	0.35
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	15	0.35
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD23	13	0.35
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	1	0.35
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	10	0.35
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	11	0.35
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	10	0.35
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	11	0.35
(1,1100)	1:28:B:THR:HA	1:30:B:GLU:HA	12	0.35
(1,1099)	1:28:A:THR:HA	1:30:A:GLU:HA	12	0.35
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	15	0.35
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD13	6	0.35
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD13	6	0.35
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	5	0.35
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	5	0.35
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	5	0.35
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD12	7	0.35
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	5	0.35
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD12	7	0.35
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	10	0.35
(1,846)	1:7:B:GLU:H	1:29:B:LEU:HG	9	0.35
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	2	0.35
(1,746)	1:65:B:ASP:H	1:64:A:TYR:HE1	8	0.35
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG21	4	0.35
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD12	6	0.35
(1,607)	1:56:A:THR:H	1:56:B:THR:HG21	14	0.35
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD21	3	0.35
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	13	0.35
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	13	0.35
(1,544)	1:50:B:HIS:H	1:48:B:PRO:HB3	14	0.35
(1,543)	1:50:A:HIS:H	1:48:A:PRO:HB3	14	0.35
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	1	0.35
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	10	0.35
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	15	0.35
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	10	0.35
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	2	0.35
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	14	0.35
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	14	0.35
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	11	0.35
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	11	0.35
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD11	9	0.35
(1,194)	1:13:B:GLY:H	1:11:B:ARG:HB3	4	0.35
(1,193)	1:13:A:GLY:H	1:11:A:ARG:HB3	4	0.35
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	14	0.35
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	10	0.35
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	12	0.34
(2,4914)	1:49:B:GLN:HG3	1:52:A:ALA:H	7	0.34
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	10	0.34
(2,4826)	1:55:B:LEU:HD21	1:53:A:LYS:HE3	13	0.34
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	12	0.34
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	12	0.34
(2,4752)	1:60:B:LEU:HD12	1:11:A:ARG:HD3	10	0.34
(2,4742)	1:12:B:ILE:HG23	1:60:A:LEU:H	14	0.34
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	3	0.34
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	10	0.34
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	15	0.34
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	15	0.34
(2,4478)	1:18:B:THR:HG23	1:4:B:THR:HB	7	0.34
(2,4478)	1:18:B:THR:HG21	1:4:B:THR:HB	8	0.34
(2,4477)	1:18:A:THR:HG21	1:4:A:THR:HB	8	0.34
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD1	15	0.34
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD1	15	0.34
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE1	11	0.34
(2,4378)	1:22:B:LEU:H	1:21:B:LEU:HD21	12	0.34
(2,4377)	1:22:A:LEU:H	1:21:A:LEU:HD21	12	0.34
(2,4360)	1:14:B:LEU:HD12	1:50:B:HIS:HE1	7	0.34
(2,4359)	1:14:A:LEU:HD12	1:50:A:HIS:HE1	7	0.34
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	1	0.34
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	3	0.34
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	14	0.34
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	6	0.34
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	4	0.34
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	9	0.34
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	9	0.34
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	15	0.34
(2,4294)	1:8:B:LEU:HD12	1:2:B:PRO:HG2	13	0.34
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG22	3	0.34
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG22	3	0.34
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG22	2	0.34
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG22	2	0.34
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD21	5	0.34
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD23	12	0.34
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	3	0.34
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	3	0.34
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	10	0.34
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	9	0.34
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	9	0.34
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	4	0.34
(2,3863)	1:60:A:LEU:HD12	1:12:B:ILE:HA	7	0.34
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	5	0.34
(2,3730)	1:22:B:LEU:HD12	1:19:B:SER:H	3	0.34
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	10	0.34
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD13	14	0.34
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	14	0.34
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	14	0.34
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD1	6	0.34
(2,3535)	1:35:A:LEU:HD22	1:26:A:TYR:HD2	11	0.34
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	11	0.34
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	11	0.34
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	12	0.34
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	12	0.34
(2,3402)	1:24:B:ASN:H	1:43:B:LEU:HG	7	0.34
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	6	0.34
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	13	0.34
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	6	0.34
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	13	0.34
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	12	0.34
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	12	0.34
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG22	1	0.34
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG22	1	0.34
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	4	0.34
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	4	0.34
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	15	0.34
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	10	0.34
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	11	0.34
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	8	0.34
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	10	0.34
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	6	0.34
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	6	0.34
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD11	7	0.34
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	1	0.34
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	3	0.34
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	13	0.34
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	3	0.34
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	13	0.34
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	3	0.34
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	3	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	3	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	4	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD12	7	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	9	0.34
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	11	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	4	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD12	7	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	9	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	11	0.34
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	13	0.34
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	2	0.34
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	12	0.34
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	2	0.34
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	12	0.34
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	8	0.34
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	12	0.34
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	12	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	1	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	3	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	5	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	6	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	7	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	8	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	9	0.34
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2110)	1:48:B:PRO:HD3	1:48:B:PRO:HB3	15	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	1	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	3	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	5	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	6	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	7	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	8	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	9	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	10	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	14	0.34
(2,2109)	1:48:A:PRO:HD3	1:48:A:PRO:HB3	15	0.34
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD13	13	0.34
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	9	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	1	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	2	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	3	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	4	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	5	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	6	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	7	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	8	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	12	0.34
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	14	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	1	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	2	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	3	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	5	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	6	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	7	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	8	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	12	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	13	0.34
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	14	0.34
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD21	12	0.34
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD21	7	0.34
(2,1517)	1:38:A:THR:HA	1:40:A:LEU:HB3	3	0.34
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE1	4	0.34
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	14	0.34
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	14	0.34
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	4	0.34
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	11	0.34
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	1	0.34
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	12	0.34
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	1	0.34
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	12	0.34
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG23	13	0.34
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	3	0.34
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG23	13	0.34
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD13	3	0.34
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD13	3	0.34
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	1	0.34
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD13	4	0.34
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	1	0.34
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	12	0.34
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	7	0.34
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	2	0.34
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	2	0.34
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	9	0.34
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	9	0.34
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD23	3	0.34
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	4	0.34
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	10	0.34
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	3	0.34
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	10	0.34
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	4	0.34
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	7	0.34
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	13	0.34
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	8	0.34
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	8	0.34
(1,3081)	1:60:A:LEU:HD11	1:11:B:ARG:HB3	12	0.34
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	11	0.34
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	13	0.34
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	15	0.34
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	11	0.34
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	13	0.34
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	15	0.34
(1,2948)	1:60:B:LEU:HD22	1:64:B:TYR:HD2	3	0.34
(1,2947)	1:60:A:LEU:HD22	1:64:A:TYR:HD2	3	0.34
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	4	0.34
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	10	0.34
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	1	0.34
(1,2836)	1:54:B:LEU:H	1:12:B:ILE:HD13	15	0.34
(1,2835)	1:54:A:LEU:H	1:12:A:ILE:HD13	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD12	10	0.34
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD12	10	0.34
(1,2783)	1:12:A:ILE:HG22	1:61:B:LEU:H	8	0.34
(1,2777)	1:11:A:ARG:HB3	1:12:A:ILE:HG23	9	0.34
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB3	4	0.34
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB3	4	0.34
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	7	0.34
(1,2720)	1:52:B:ALA:HB3	1:12:A:ILE:HB	13	0.34
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG23	13	0.34
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG23	13	0.34
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	1	0.34
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	1	0.34
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	15	0.34
(1,2684)	1:66:B:THR:HG21	1:67:A:GLY:HA3	15	0.34
(1,2676)	1:4:B:THR:HB	1:4:B:THR:HG21	1	0.34
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG21	1	0.34
(1,2675)	1:4:A:THR:HB	1:4:A:THR:HG23	2	0.34
(1,2675)	1:4:A:THR:HG22	1:4:A:THR:HA	15	0.34
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	12	0.34
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD12	5	0.34
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD12	5	0.34
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD13	6	0.34
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD13	6	0.34
(1,2648)	1:38:B:THR:H	1:55:B:LEU:HD13	8	0.34
(1,2647)	1:38:A:THR:H	1:55:A:LEU:HD13	8	0.34
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	8	0.34
(1,2628)	1:14:B:LEU:HD11	1:47:B:ASP:HB2	3	0.34
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	10	0.34
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	10	0.34
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	13	0.34
(1,2548)	1:5:B:LEU:HD23	1:9:B:LEU:H	11	0.34
(1,2548)	1:5:B:LEU:HD21	1:9:B:LEU:H	12	0.34
(1,2547)	1:5:A:LEU:HD23	1:9:A:LEU:H	11	0.34
(1,2547)	1:5:A:LEU:HD21	1:9:A:LEU:H	12	0.34
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD13	11	0.34
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	14	0.34
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD13	10	0.34
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD13	10	0.34
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	8	0.34
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	8	0.34
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	12	0.34
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	10	0.34
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	10	0.34
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD11	7	0.34
(1,2197)	1:14:A:LEU:HD21	1:49:A:GLN:HB2	5	0.34
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	1	0.34
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	3	0.34
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	4	0.34
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	10	0.34
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	1	0.34
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	3	0.34
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	4	0.34
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	10	0.34
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	2	0.34
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	13	0.34
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	4	0.34
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	4	0.34
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	15	0.34
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	7	0.34
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	11	0.34
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	7	0.34
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	11	0.34
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	12	0.34
(1,1877)	1:27:A:GLN:HG2	1:31:A:ASP:HB2	15	0.34
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	5	0.34
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	5	0.34
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	11	0.34
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	13	0.34
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD23	1	0.34
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD23	1	0.34
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	11	0.34
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	11	0.34
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	15	0.34
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	15	0.34
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG23	11	0.34
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG23	11	0.34
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	4	0.34
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	12	0.34
(1,1472)	1:35:B:LEU:HB3	1:36:B:ARG:HG2	10	0.34
(1,1471)	1:35:A:LEU:HB3	1:36:A:ARG:HG2	10	0.34
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	1	0.34
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD23	13	0.34
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	9	0.34
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	4	0.34
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	7	0.34
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	4	0.34
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	7	0.34
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	12	0.34
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	12	0.34
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	1	0.34
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	10	0.34
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	12	0.34
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	9	0.34
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	9	0.34
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	6	0.34
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	6	0.34
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	3	0.34
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	3	0.34
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	15	0.34
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	13	0.34
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	13	0.34
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	11	0.34
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	11	0.34
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	1	0.34
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	10	0.34
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	1	0.34
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	2	0.34
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	2	0.34
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	2	0.34
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG21	4	0.34
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	2	0.34
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	2	0.34
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	12	0.34
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	12	0.34
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD12	8	0.34
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	11	0.34
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	9	0.34
(1,608)	1:56:B:THR:H	1:56:A:THR:HG21	14	0.34
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	1	0.34
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	12	0.34
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	1	0.34
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	12	0.34
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	2	0.34
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	3	0.34
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	5	0.34
(1,506)	1:45:B:ILE:H	1:43:B:LEU:HD22	11	0.34
(1,505)	1:45:A:ILE:H	1:43:A:LEU:HD22	11	0.34
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	6	0.34
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	1	0.34
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	6	0.34
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	2	0.34
(1,376)	1:32:B:PHE:H	1:26:B:TYR:HB2	15	0.34
(1,375)	1:32:A:PHE:H	1:26:A:TYR:HB2	15	0.34
(1,326)	1:28:B:THR:H	1:27:B:GLN:HG3	1	0.34
(1,325)	1:28:A:THR:H	1:27:A:GLN:HG3	1	0.34
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	1	0.34
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD11	9	0.34
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	5	0.34
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	5	0.34
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	6	0.34
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	8	0.34
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	11	0.34
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	6	0.34
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	8	0.34
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	11	0.34
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	14	0.34
(2,4913)	1:49:A:GLN:HG3	1:52:B:ALA:H	7	0.33
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	15	0.33
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	15	0.33
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	1	0.33
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	1	0.33
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	10	0.33
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	8	0.33
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	12	0.33
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	6	0.33
(2,4821)	1:8:A:LEU:HD11	1:64:B:TYR:HE1	12	0.33
(2,4807)	1:59:A:GLU:HG2	1:12:B:ILE:HG23	13	0.33
(2,4764)	1:8:B:LEU:HD23	1:64:A:TYR:HD2	13	0.33
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB3	10	0.33
(2,4742)	1:12:B:ILE:HG21	1:60:A:LEU:H	3	0.33
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	2	0.33
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	2	0.33
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	3	0.33
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	7	0.33
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	9	0.33
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	9	0.33
(2,4477)	1:18:A:THR:HG23	1:4:A:THR:HB	7	0.33
(2,4450)	1:9:B:LEU:HD12	1:32:B:PHE:HD1	6	0.33
(2,4449)	1:9:A:LEU:HD12	1:32:A:PHE:HD1	6	0.33
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD1	5	0.33
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD1	5	0.33
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE1	11	0.33
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	11	0.33
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	4	0.33
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	11	0.33
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG22	13	0.33
(2,4088)	1:13:B:GLY:H	1:12:B:ILE:HG22	14	0.33
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG22	13	0.33
(2,4087)	1:13:A:GLY:H	1:12:A:ILE:HG22	14	0.33
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD23	8	0.33
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD23	12	0.33
(2,3983)	1:6:A:HIS:HB3	1:4:A:THR:HG21	10	0.33
(2,3971)	1:9:A:LEU:HD13	1:32:A:PHE:HZ	10	0.33
(2,3948)	1:55:B:LEU:H	1:55:B:LEU:HD12	2	0.33
(2,3947)	1:55:A:LEU:H	1:55:A:LEU:HD12	2	0.33
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	10	0.33
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	4	0.33
(2,3730)	1:22:B:LEU:HD12	1:19:B:SER:H	1	0.33
(2,3729)	1:22:A:LEU:HD12	1:19:A:SER:H	1	0.33
(2,3729)	1:22:A:LEU:HD12	1:19:A:SER:H	3	0.33
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	10	0.33
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	5	0.33
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD23	13	0.33
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD23	13	0.33
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD13	14	0.33
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	4	0.33
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	9	0.33
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	4	0.33
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	9	0.33
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	12	0.33
(2,3552)	1:8:B:LEU:HD13	1:8:B:LEU:HA	4	0.33
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	13	0.33
(2,3551)	1:8:A:LEU:HD13	1:8:A:LEU:HA	4	0.33
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	13	0.33
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD11	7	0.33
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD11	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD13	8	0.33
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD13	8	0.33
(2,3401)	1:24:A:ASN:H	1:43:A:LEU:HG	7	0.33
(2,3330)	1:2:B:PRO:HG2	1:11:B:ARG:HD3	2	0.33
(2,3329)	1:2:A:PRO:HG2	1:11:A:ARG:HD3	2	0.33
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	1	0.33
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	1	0.33
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	3	0.33
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	9	0.33
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	3	0.33
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	1	0.33
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	10	0.33
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	10	0.33
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	13	0.33
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	3	0.33
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	15	0.33
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	11	0.33
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	1	0.33
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	5	0.33
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	1	0.33
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	5	0.33
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	5	0.33
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	5	0.33
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	1	0.33
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	2	0.33
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD13	13	0.33
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD12	15	0.33
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	1	0.33
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	2	0.33
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD13	3	0.33
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD12	10	0.33
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD12	15	0.33
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	15	0.33
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	8	0.33
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	4	0.33
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	4	0.33
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD13	13	0.33
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	8	0.33
(2,1732)	1:39:B:HIS:HA	1:43:B:LEU:HG	6	0.33
(2,1731)	1:39:A:HIS:HA	1:43:A:LEU:HG	6	0.33
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD22	6	0.33
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD22	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	13	0.33
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	13	0.33
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	3	0.33
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	3	0.33
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	9	0.33
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	2	0.33
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	2	0.33
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	3	0.33
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD23	8	0.33
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD23	8	0.33
(2,792)	1:42:B:GLU:H	1:43:B:LEU:HD21	4	0.33
(2,791)	1:42:A:GLU:H	1:43:A:LEU:HD21	4	0.33
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD12	10	0.33
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD11	12	0.33
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD11	6	0.33
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	15	0.33
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	7	0.33
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	15	0.33
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	5	0.33
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	5	0.33
(2,71)	1:66:A:THR:H	1:66:B:THR:HG21	15	0.33
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD23	13	0.33
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	8	0.33
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD23	13	0.33
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	11	0.33
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	1	0.33
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	4	0.33
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	12	0.33
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	12	0.33
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	10	0.33
(1,3148)	1:12:B:ILE:HD11	1:59:A:GLU:HB2	2	0.33
(1,3128)	1:49:B:GLN:HB3	1:52:A:ALA:HA	15	0.33
(1,3127)	1:49:A:GLN:HB3	1:52:B:ALA:HA	15	0.33
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	1	0.33
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	12	0.33
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	9	0.33
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	12	0.33
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	9	0.33
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	6	0.33
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	9	0.33
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	12	0.33
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	9	0.33
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	12	0.33
(1,3014)	1:35:B:LEU:HD12	1:32:B:PHE:HD1	12	0.33
(1,3013)	1:35:A:LEU:HD12	1:32:A:PHE:HD1	12	0.33
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB3	13	0.33
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB3	13	0.33
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	10	0.33
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	4	0.33
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD11	6	0.33
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	1	0.33
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD13	7	0.33
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD13	7	0.33
(1,2778)	1:11:B:ARG:HB3	1:12:B:ILE:HG23	9	0.33
(1,2736)	1:58:B:ALA:HB2	1:12:B:ILE:HD11	1	0.33
(1,2735)	1:58:A:ALA:HB2	1:12:A:ILE:HD11	1	0.33
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	15	0.33
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG23	10	0.33
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG23	10	0.33
(1,2683)	1:66:A:THR:HG21	1:67:B:GLY:HA3	15	0.33
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	12	0.33
(1,2627)	1:14:A:LEU:HD11	1:47:A:ASP:HB2	3	0.33
(1,2586)	1:27:B:GLN:HE21	1:23:B:LEU:HD23	12	0.33
(1,2585)	1:27:A:GLN:HE21	1:23:A:LEU:HD23	12	0.33
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	9	0.33
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	9	0.33
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD22	8	0.33
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD22	8	0.33
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD13	11	0.33
(1,2406)	1:29:B:LEU:HA	1:8:B:LEU:HD12	2	0.33
(1,2405)	1:29:A:LEU:HA	1:8:A:LEU:HD12	2	0.33
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HB3	9	0.33
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HB3	9	0.33
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	13	0.33
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	13	0.33
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	1	0.33
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	1	0.33
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	2	0.33
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	4	0.33
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	3	0.33
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	7	0.33
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	10	0.33
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	3	0.33
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	7	0.33
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	10	0.33
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	10	0.33
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	10	0.33
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	2	0.33
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	12	0.33
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	2	0.33
(1,1878)	1:27:B:GLN:HG2	1:31:B:ASP:HB2	15	0.33
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	3	0.33
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	3	0.33
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	8	0.33
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	12	0.33
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	8	0.33
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	12	0.33
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG23	15	0.33
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG22	5	0.33
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG23	15	0.33
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	4	0.33
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	6	0.33
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	5	0.33
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	11	0.33
(1,1520)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	14	0.33
(1,1519)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	14	0.33
(1,1516)	1:53:B:LYS:HE2	1:14:B:LEU:HD21	5	0.33
(1,1515)	1:53:A:LYS:HE2	1:14:A:LEU:HD21	5	0.33
(1,1456)	1:11:B:ARG:HD3	1:12:B:ILE:HB	13	0.33
(1,1455)	1:11:A:ARG:HD3	1:12:A:ILE:HB	13	0.33
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB3	4	0.33
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB3	4	0.33
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	9	0.33
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	8	0.33
(1,1352)	1:2:B:PRO:HD2	1:66:B:THR:HB	9	0.33
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	13	0.33
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	13	0.33
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	4	0.33
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	10	0.33
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	12	0.33
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	4	0.33
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	5	0.33
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	5	0.33
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	2	0.33
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	3	0.33
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	3	0.33
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	1	0.33
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	10	0.33
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	3	0.33
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	1	0.33
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	1	0.33
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD13	5	0.33
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	15	0.33
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	10	0.33
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	14	0.33
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	10	0.33
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	14	0.33
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	9	0.33
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	9	0.33
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	7	0.33
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD12	8	0.33
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	11	0.33
(1,607)	1:56:A:THR:H	1:56:B:THR:HG21	9	0.33
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	4	0.33
(1,564)	1:53:B:LYS:H	1:14:B:LEU:HD23	13	0.33
(1,563)	1:53:A:LYS:H	1:14:A:LEU:HD23	13	0.33
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	3	0.33
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	5	0.33
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	15	0.33
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	15	0.33
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	1	0.33
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	15	0.33
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	9	0.33
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	9	0.33
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD12	13	0.33
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD12	13	0.33
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	13	0.33
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	3	0.33
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	13	0.33
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	3	0.33
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	13	0.33
(1,284)	1:24:B:ASN:H	1:43:B:LEU:HD23	7	0.33
(1,283)	1:24:A:ASN:H	1:43:A:LEU:HD23	7	0.33
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	4	0.33
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	4	0.33
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	4	0.33
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	7	0.33
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	12	0.33
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	7	0.33
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	12	0.33
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	10	0.33
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	12	0.32
(2,4836)	1:12:B:ILE:HD12	1:56:A:THR:HG23	6	0.32
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB2	14	0.32
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD21	4	0.32
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD21	4	0.32
(2,4808)	1:59:B:GLU:HG2	1:12:A:ILE:HG23	13	0.32
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB2	6	0.32
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD2	6	0.32
(2,4763)	1:8:A:LEU:HD23	1:64:B:TYR:HD2	13	0.32
(2,4752)	1:60:B:LEU:HD11	1:11:A:ARG:HD3	1	0.32
(2,4751)	1:60:A:LEU:HD11	1:11:B:ARG:HD3	1	0.32
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB3	10	0.32
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB2	11	0.32
(2,4742)	1:12:B:ILE:HG22	1:60:A:LEU:H	8	0.32
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	7	0.32
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD11	11	0.32
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	11	0.32
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	1	0.32
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	7	0.32
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	12	0.32
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	14	0.32
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	14	0.32
(2,4356)	1:34:B:GLU:HG2	1:26:B:TYR:HE2	13	0.32
(2,4355)	1:34:A:GLU:HG2	1:26:A:TYR:HE2	13	0.32
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	14	0.32
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	4	0.32
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD21	5	0.32
(2,3984)	1:6:B:HIS:HB3	1:4:B:THR:HG21	10	0.32
(2,3972)	1:9:B:LEU:HD13	1:32:B:PHE:HZ	10	0.32
(2,3923)	1:55:A:LEU:HD23	1:55:A:LEU:HD13	6	0.32
(2,3915)	1:14:A:LEU:HD13	1:50:A:HIS:HD2	8	0.32
(2,3908)	1:13:B:GLY:HA3	1:14:B:LEU:HD11	9	0.32
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG22	11	0.32
(2,3876)	1:43:B:LEU:HD21	1:20:B:THR:HG21	3	0.32
(2,3876)	1:43:B:LEU:HD21	1:20:B:THR:HG22	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3875)	1:43:A:LEU:HD21	1:20:A:THR:HG21	3	0.32
(2,3875)	1:43:A:LEU:HD21	1:20:A:THR:HG22	10	0.32
(2,3866)	1:60:B:LEU:HD12	1:64:B:TYR:HE1	7	0.32
(2,3865)	1:60:A:LEU:HD12	1:64:A:TYR:HE1	7	0.32
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD11	8	0.32
(2,3730)	1:22:B:LEU:HD13	1:19:B:SER:H	12	0.32
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	5	0.32
(2,3711)	1:61:A:LEU:HD21	1:64:B:TYR:HD2	6	0.32
(2,3592)	1:55:B:LEU:HD22	1:52:B:ALA:HA	9	0.32
(2,3591)	1:55:A:LEU:HD22	1:52:A:ALA:HA	9	0.32
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD13	12	0.32
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD13	12	0.32
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	12	0.32
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	11	0.32
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	11	0.32
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD12	7	0.32
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	12	0.32
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD12	7	0.32
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	12	0.32
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	13	0.32
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	10	0.32
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	12	0.32
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	9	0.32
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	10	0.32
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD22	13	0.32
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD22	13	0.32
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	1	0.32
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	11	0.32
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	11	0.32
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	5	0.32
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	5	0.32
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	5	0.32
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	8	0.32
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	11	0.32
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	1	0.32
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	3	0.32
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	5	0.32
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	11	0.32
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD13	4	0.32
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD13	4	0.32
(2,2560)	1:33:B:LYS:H	1:32:B:PHE:HB2	7	0.32
(2,2559)	1:33:A:LYS:H	1:32:A:PHE:HB2	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD12	10	0.32
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	15	0.32
(2,2188)	1:36:B:ARG:HD3	1:36:B:ARG:HB2	14	0.32
(2,2187)	1:36:A:ARG:HD3	1:36:A:ARG:HB2	14	0.32
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD12	9	0.32
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	8	0.32
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	10	0.32
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD12	14	0.32
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD12	14	0.32
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE1	13	0.32
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE1	13	0.32
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	6	0.32
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	8	0.32
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	15	0.32
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	6	0.32
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	15	0.32
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	12	0.32
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	12	0.32
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	3	0.32
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	6	0.32
(2,958)	1:52:B:ALA:H	1:51:B:ARG:HD2	14	0.32
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	6	0.32
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD13	12	0.32
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD13	12	0.32
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD11	12	0.32
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD11	6	0.32
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	8	0.32
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	8	0.32
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	10	0.32
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	1	0.32
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	1	0.32
(2,72)	1:66:B:THR:H	1:66:A:THR:HG21	15	0.32
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	1	0.32
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	11	0.32
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	13	0.32
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	7	0.32
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	11	0.32
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	10	0.32
(1,3185)	1:11:A:ARG:HG2	1:63:B:ASP:H	7	0.32
(1,3147)	1:12:A:ILE:HD11	1:59:B:GLU:HB2	2	0.32
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HB3	10	0.32
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	1	0.32
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	3	0.32
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	12	0.32
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	1	0.32
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	6	0.32
(1,3037)	1:54:A:LEU:HD13	1:50:A:HIS:HD2	10	0.32
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	7	0.32
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	7	0.32
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD2	11	0.32
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD2	11	0.32
(1,2934)	1:14:B:LEU:HD13	1:16:B:GLU:HA	3	0.32
(1,2933)	1:14:A:LEU:HD13	1:16:A:GLU:HA	3	0.32
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD11	6	0.32
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD11	2	0.32
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD11	2	0.32
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD13	15	0.32
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD13	15	0.32
(1,2822)	1:54:B:LEU:HG	1:12:B:ILE:HD13	15	0.32
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	10	0.32
(1,2784)	1:12:B:ILE:HG21	1:61:A:LEU:H	6	0.32
(1,2783)	1:12:A:ILE:HG23	1:61:B:LEU:H	14	0.32
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	7	0.32
(1,2675)	1:4:A:THR:HG23	1:4:A:THR:HA	14	0.32
(1,2667)	1:13:A:GLY:H	1:9:A:LEU:HD13	5	0.32
(1,2656)	1:21:B:LEU:HD23	1:9:B:LEU:HD11	9	0.32
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD12	11	0.32
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD12	7	0.32
(1,2655)	1:21:A:LEU:HD23	1:9:A:LEU:HD11	9	0.32
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD12	11	0.32
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD12	12	0.32
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD12	12	0.32
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD13	9	0.32
(1,2601)	1:60:A:LEU:HD11	1:57:B:ALA:HA	6	0.32
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD21	14	0.32
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD21	14	0.32
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	1	0.32
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	1	0.32
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD12	11	0.32
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	13	0.32
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	13	0.32
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	7	0.32
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	14	0.32
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	4	0.32
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	7	0.32
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	7	0.32
(1,1998)	1:39:B:HIS:HB3	1:43:B:LEU:HG	6	0.32
(1,1997)	1:39:A:HIS:HB3	1:43:A:LEU:HG	6	0.32
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	1	0.32
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	5	0.32
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	13	0.32
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	1	0.32
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	13	0.32
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	6	0.32
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	14	0.32
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	14	0.32
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD12	13	0.32
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD12	13	0.32
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	4	0.32
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	6	0.32
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	7	0.32
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	10	0.32
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	7	0.32
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	10	0.32
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	10	0.32
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	10	0.32
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG22	5	0.32
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	1	0.32
(1,1582)	1:27:B:GLN:HE22	1:23:B:LEU:HB3	12	0.32
(1,1581)	1:27:A:GLN:HE22	1:23:A:LEU:HB3	12	0.32
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	11	0.32
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	3	0.32
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	12	0.32
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	12	0.32
(1,1457)	1:11:A:ARG:HD2	1:56:B:THR:HA	9	0.32
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	12	0.32
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	6	0.32
(1,1438)	1:38:B:THR:H	1:36:B:ARG:HD3	9	0.32
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	6	0.32
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	5	0.32
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	5	0.32
(1,1351)	1:2:A:PRO:HD2	1:66:A:THR:HB	9	0.32
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	6	0.32
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	15	0.32
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	11	0.32
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	11	0.32
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	13	0.32
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	13	0.32
(1,1167)	1:22:A:LEU:HA	1:26:A:TYR:HD2	1	0.32
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	11	0.32
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	11	0.32
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	3	0.32
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	10	0.32
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	10	0.32
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	2	0.32
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	9	0.32
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	2	0.32
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	9	0.32
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	8	0.32
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	1	0.32
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	8	0.32
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	6	0.32
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	6	0.32
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	10	0.32
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	3	0.32
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	7	0.32
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	9	0.32
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	15	0.32
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	4	0.32
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	7	0.32
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	9	0.32
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	15	0.32
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD13	5	0.32
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	15	0.32
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	3	0.32
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	13	0.32
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	3	0.32
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	5	0.32
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	3	0.32
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	5	0.32
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	7	0.32
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD22	9	0.32
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD22	9	0.32
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD11	8	0.32
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD23	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	4	0.32
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD23	5	0.32
(1,546)	1:50:B:HIS:H	1:49:B:GLN:HB3	12	0.32
(1,545)	1:50:A:HIS:H	1:47:A:ASP:HB2	8	0.32
(1,545)	1:50:A:HIS:H	1:49:A:GLN:HB3	12	0.32
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	5	0.32
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	11	0.32
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	15	0.32
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	5	0.32
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	11	0.32
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	8	0.32
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	8	0.32
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD11	14	0.32
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	13	0.32
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD11	14	0.32
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	4	0.32
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	4	0.32
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	12	0.32
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	4	0.32
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	11	0.32
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	12	0.32
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	15	0.32
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	15	0.32
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	2	0.32
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	2	0.32
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	12	0.32
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	12	0.32
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	5	0.31
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB2	11	0.31
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB2	14	0.31
(2,4822)	1:8:B:LEU:HD11	1:64:A:TYR:HE1	12	0.31
(2,4819)	1:8:A:LEU:HD11	1:56:B:THR:HG21	11	0.31
(2,4772)	1:61:B:LEU:HD13	1:64:A:TYR:HD2	2	0.31
(2,4747)	1:60:A:LEU:HD13	1:57:B:ALA:HB2	7	0.31
(2,4728)	1:52:B:ALA:HB2	1:49:A:GLN:HA	9	0.31
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	11	0.31
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	11	0.31
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	12	0.31
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	1	0.31
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	11	0.31
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	9	0.31
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	2	0.31
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	5	0.31
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	5	0.31
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	12	0.31
(2,4278)	1:49:B:GLN:HE21	1:49:B:GLN:HB2	7	0.31
(2,4277)	1:49:A:GLN:HE21	1:49:A:GLN:HB2	7	0.31
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	4	0.31
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD22	1	0.31
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD23	4	0.31
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD22	1	0.31
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD21	3	0.31
(2,3924)	1:55:B:LEU:HD23	1:55:B:LEU:HD13	6	0.31
(2,3916)	1:14:B:LEU:HD13	1:50:B:HIS:HD2	8	0.31
(2,3907)	1:13:A:GLY:HA3	1:14:A:LEU:HD11	9	0.31
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	3	0.31
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	3	0.31
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG22	11	0.31
(2,3864)	1:60:B:LEU:HD12	1:12:A:ILE:HA	7	0.31
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD11	8	0.31
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	11	0.31
(2,3729)	1:22:A:LEU:HD13	1:19:A:SER:H	12	0.31
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD11	10	0.31
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD11	10	0.31
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	14	0.31
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	14	0.31
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	5	0.31
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	2	0.31
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	7	0.31
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	9	0.31
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	13	0.31
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	2	0.31
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	6	0.31
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	7	0.31
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	9	0.31
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	11	0.31
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	7	0.31
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	12	0.31
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	13	0.31
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	13	0.31
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	13	0.31
(2,3004)	1:51:B:ARG:HB3	1:50:B:HIS:HB2	1	0.31
(2,3003)	1:51:A:ARG:HB3	1:50:A:HIS:HB2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD13	5	0.31
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD13	5	0.31
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	7	0.31
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	7	0.31
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	15	0.31
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	15	0.31
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	5	0.31
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	5	0.31
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	9	0.31
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	9	0.31
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	4	0.31
(2,2362)	1:5:B:LEU:HB2	1:5:B:LEU:HD11	14	0.31
(2,2361)	1:5:A:LEU:HB2	1:5:A:LEU:HD11	14	0.31
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD12	9	0.31
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	12	0.31
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	15	0.31
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	11	0.31
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	12	0.31
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	15	0.31
(2,1976)	1:68:B:CYS:HA	1:68:B:CYS:HB2	9	0.31
(2,1975)	1:68:A:CYS:HA	1:68:A:CYS:HB2	9	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	2	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	5	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	7	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	8	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	9	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	12	0.31
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	13	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	2	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	3	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	5	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	7	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	8	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	9	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	12	0.31
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	13	0.31
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	10	0.31
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	2	0.31
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD23	12	0.31
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD23	12	0.31
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	7	0.31
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	8	0.31
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	11	0.31
(2,957)	1:52:A:ALA:H	1:51:A:ARG:HD2	14	0.31
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD12	10	0.31
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	9	0.31
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	11	0.31
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	9	0.31
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	10	0.31
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	3	0.31
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	5	0.31
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	5	0.31
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	8	0.31
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	11	0.31
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	14	0.31
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	14	0.31
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	7	0.31
(1,3175)	1:62:A:LEU:HD23	1:11:B:ARG:HG2	11	0.31
(1,3141)	1:62:A:LEU:HD23	1:11:B:ARG:HG2	11	0.31
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HB3	10	0.31
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	2	0.31
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	2	0.31
(1,3046)	1:38:B:THR:HB	1:39:B:HIS:HE1	7	0.31
(1,3045)	1:38:A:THR:HB	1:39:A:HIS:HE1	7	0.31
(1,3038)	1:54:B:LEU:HD13	1:50:B:HIS:HD2	10	0.31
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	15	0.31
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	15	0.31
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD2	6	0.31
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	6	0.31
(1,2934)	1:14:B:LEU:HD13	1:16:B:GLU:HA	7	0.31
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	13	0.31
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	13	0.31
(1,2821)	1:54:A:LEU:HG	1:12:A:ILE:HD13	15	0.31
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	10	0.31
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE1	9	0.31
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE1	9	0.31
(1,2784)	1:12:B:ILE:HG22	1:61:A:LEU:H	8	0.31
(1,2784)	1:12:B:ILE:HG23	1:61:A:LEU:H	14	0.31
(1,2752)	1:58:B:ALA:HB2	1:32:B:PHE:HB2	9	0.31
(1,2751)	1:58:A:ALA:HB2	1:32:A:PHE:HB2	9	0.31
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	2	0.31
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	2	0.31
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB1	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	9	0.31
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	11	0.31
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB1	3	0.31
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	9	0.31
(1,2720)	1:52:B:ALA:HB3	1:12:A:ILE:HB	10	0.31
(1,2719)	1:52:A:ALA:HB3	1:12:B:ILE:HB	10	0.31
(1,2712)	1:38:B:THR:HG21	1:39:B:HIS:HD2	8	0.31
(1,2684)	1:66:B:THR:HG22	1:67:A:GLY:HA3	7	0.31
(1,2676)	1:4:B:THR:HG23	1:4:B:THR:HA	14	0.31
(1,2668)	1:13:B:GLY:H	1:9:B:LEU:HD13	5	0.31
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	3	0.31
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	1	0.31
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	3	0.31
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD12	7	0.31
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD11	14	0.31
(1,2652)	1:55:B:LEU:HD13	1:54:B:LEU:H	4	0.31
(1,2651)	1:55:A:LEU:HD13	1:54:A:LEU:H	4	0.31
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD13	9	0.31
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD13	10	0.31
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD13	10	0.31
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD12	13	0.31
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD13	8	0.31
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD13	8	0.31
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD13	3	0.31
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD12	11	0.31
(1,2330)	1:53:B:LYS:HG3	1:12:B:ILE:HD13	15	0.31
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD13	3	0.31
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	12	0.31
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	12	0.31
(1,2296)	1:11:B:ARG:HG3	1:2:B:PRO:HD3	2	0.31
(1,2295)	1:11:A:ARG:HG3	1:2:A:PRO:HD3	2	0.31
(1,2198)	1:14:B:LEU:HD22	1:49:B:GLN:HB2	8	0.31
(1,2198)	1:14:B:LEU:HD22	1:49:B:GLN:HB2	11	0.31
(1,2197)	1:14:A:LEU:HD22	1:49:A:GLN:HB2	8	0.31
(1,2197)	1:14:A:LEU:HD22	1:49:A:GLN:HB2	11	0.31
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	9	0.31
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	9	0.31
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	14	0.31
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	15	0.31
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	14	0.31
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	9	0.31
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	5	0.31
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD11	5	0.31
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD11	5	0.31
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	15	0.31
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	6	0.31
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	15	0.31
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	12	0.31
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	12	0.31
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	14	0.31
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD11	2	0.31
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	4	0.31
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	6	0.31
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	1	0.31
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD1	5	0.31
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD1	5	0.31
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	4	0.31
(1,1458)	1:11:B:ARG:HD2	1:56:A:THR:HA	9	0.31
(1,1456)	1:11:B:ARG:HD3	1:12:B:ILE:HB	14	0.31
(1,1455)	1:11:A:ARG:HD3	1:12:A:ILE:HB	14	0.31
(1,1437)	1:38:A:THR:H	1:36:A:ARG:HD3	9	0.31
(1,1432)	1:38:B:THR:H	1:36:B:ARG:HD2	10	0.31
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	6	0.31
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	6	0.31
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	7	0.31
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	10	0.31
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	7	0.31
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	5	0.31
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	5	0.31
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	15	0.31
(1,1168)	1:22:B:LEU:HA	1:26:B:TYR:HD2	1	0.31
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	7	0.31
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	7	0.31
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	8	0.31
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	12	0.31
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	4	0.31
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	4	0.31
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	3	0.31
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	3	0.31
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	6	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	2	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	4	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	8	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	10	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	11	0.31
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	13	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	1	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	2	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	5	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	8	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	10	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	11	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	12	0.31
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	13	0.31
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD13	11	0.31
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD13	11	0.31
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	3	0.31
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	13	0.31
(1,845)	1:7:A:GLU:H	1:29:A:LEU:HG	8	0.31
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	13	0.31
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	13	0.31
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD23	10	0.31
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD23	10	0.31
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	9	0.31
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	9	0.31
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	8	0.31
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	8	0.31
(1,660)	1:59:B:GLU:H	1:57:B:ALA:HB1	15	0.31
(1,659)	1:59:A:GLU:H	1:57:A:ALA:HB1	15	0.31
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD11	8	0.31
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD12	14	0.31
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD12	14	0.31
(1,577)	1:54:A:LEU:H	1:54:A:LEU:HD22	6	0.31
(1,546)	1:50:B:HIS:H	1:47:B:ASP:HB2	8	0.31
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	3	0.31
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	3	0.31
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	15	0.31
(1,454)	1:39:B:HIS:H	1:42:B:GLU:HB2	3	0.31
(1,376)	1:32:B:PHE:H	1:34:B:GLU:HG2	5	0.31
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	5	0.31
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	11	0.31
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	4	0.31
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	4	0.31
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	6	0.3
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	10	0.3
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	10	0.3
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	5	0.3
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB1	9	0.3
(2,4820)	1:8:B:LEU:HD11	1:56:A:THR:HG21	11	0.3
(2,4804)	1:53:B:LYS:HE3	1:52:A:ALA:HB1	14	0.3
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	13	0.3
(2,4771)	1:61:A:LEU:HD13	1:64:B:TYR:HD2	2	0.3
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	3	0.3
(2,4727)	1:52:A:ALA:HB2	1:49:B:GLN:HA	9	0.3
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD12	4	0.3
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	3	0.3
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	3	0.3
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	1	0.3
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	5	0.3
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	1	0.3
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	5	0.3
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	3	0.3
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	3	0.3
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	1	0.3
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	3	0.3
(2,4472)	1:35:B:LEU:HD12	1:32:B:PHE:HE1	12	0.3
(2,4471)	1:35:A:LEU:HD12	1:32:A:PHE:HE1	12	0.3
(2,4418)	1:8:B:LEU:HD11	1:32:B:PHE:HD2	4	0.3
(2,4417)	1:8:A:LEU:HD11	1:32:A:PHE:HD2	4	0.3
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD13	6	0.3
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	1	0.3
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	1	0.3
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE1	12	0.3
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	9	0.3
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE1	12	0.3
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	6	0.3
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	10	0.3
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	6	0.3
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	12	0.3
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD1	5	0.3
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD1	5	0.3
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD23	2	0.3
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD23	2	0.3
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD23	4	0.3
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG22	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG22	1	0.3
(2,4020)	1:18:B:THR:HG22	1:22:B:LEU:H	8	0.3
(2,4019)	1:18:A:THR:HG22	1:22:A:LEU:H	8	0.3
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	11	0.3
(2,3916)	1:14:B:LEU:HD12	1:50:B:HIS:HD2	5	0.3
(2,3915)	1:14:A:LEU:HD12	1:50:A:HIS:HD2	5	0.3
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE1	14	0.3
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE1	14	0.3
(2,3850)	1:43:B:LEU:HD22	1:21:B:LEU:H	8	0.3
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD12	13	0.3
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	11	0.3
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD21	15	0.3
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD21	15	0.3
(2,3730)	1:22:B:LEU:HD11	1:19:B:SER:H	13	0.3
(2,3711)	1:61:A:LEU:HD22	1:64:B:TYR:HD1	7	0.3
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	3	0.3
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	9	0.3
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	5	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	4	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	5	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	6	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	10	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	11	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	12	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	14	0.3
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	15	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	4	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	5	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	8	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	12	0.3
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	15	0.3
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	7	0.3
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	15	0.3
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	13	0.3
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	13	0.3
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	12	0.3
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	12	0.3
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD11	3	0.3
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD11	3	0.3
(2,2734)	1:42:B:GLU:HG3	1:42:B:GLU:HB3	12	0.3
(2,2734)	1:42:B:GLU:HG3	1:42:B:GLU:HB3	15	0.3
(2,2733)	1:42:A:GLU:HG3	1:42:A:GLU:HB3	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2733)	1:42:A:GLU:HG3	1:42:A:GLU:HB3	15	0.3
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	14	0.3
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	14	0.3
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	15	0.3
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	4	0.3
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	4	0.3
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	4	0.3
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	5	0.3
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	5	0.3
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	5	0.3
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD2	3	0.3
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	4	0.3
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	11	0.3
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	11	0.3
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	11	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	1	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	3	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	4	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	6	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	10	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	11	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	14	0.3
(2,1968)	1:34:B:GLU:HA	1:34:B:GLU:HB2	15	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	1	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	4	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	6	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	10	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	11	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	14	0.3
(2,1967)	1:34:A:GLU:HA	1:34:A:GLU:HB2	15	0.3
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD21	7	0.3
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD21	7	0.3
(2,1594)	1:37:B:GLU:HA	1:51:B:ARG:HG3	12	0.3
(2,1593)	1:37:A:GLU:HA	1:51:A:ARG:HG3	12	0.3
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	2	0.3
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD13	4	0.3
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	7	0.3
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	5	0.3
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	5	0.3
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD23	7	0.3
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD23	7	0.3
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG21	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG21	2	0.3
(2,774)	1:41:B:ASN:H	1:42:B:GLU:HG2	12	0.3
(2,773)	1:41:A:ASN:H	1:42:A:GLU:HG2	12	0.3
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	5	0.3
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	1	0.3
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	5	0.3
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	11	0.3
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	4	0.3
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	7	0.3
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	11	0.3
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	12	0.3
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	3	0.3
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	4	0.3
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	7	0.3
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	11	0.3
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	12	0.3
(2,46)	1:56:B:THR:H	1:60:A:LEU:HD22	2	0.3
(2,45)	1:56:A:THR:H	1:60:B:LEU:HD22	2	0.3
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	2	0.3
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	2	0.3
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	8	0.3
(1,3184)	1:69:B:GLU:HG2	1:66:A:THR:H	6	0.3
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	3	0.3
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	2	0.3
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	10	0.3
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	10	0.3
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	5	0.3
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	4	0.3
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	1	0.3
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	1	0.3
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	14	0.3
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD2	6	0.3
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	2	0.3
(1,2933)	1:14:A:LEU:HD13	1:16:A:GLU:HA	7	0.3
(1,2876)	1:58:B:ALA:HA	1:34:B:GLU:HA	2	0.3
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD13	12	0.3
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE1	1	0.3
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	1	0.3
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB1	2	0.3
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	13	0.3
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	1	0.3
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB1	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB2	4	0.3
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB2	10	0.3
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	11	0.3
(1,2712)	1:38:B:THR:HG23	1:39:B:HIS:HD2	12	0.3
(1,2711)	1:38:A:THR:HG21	1:39:A:HIS:HD2	8	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	4	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG21	5	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG21	6	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	7	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG21	9	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG23	10	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG23	12	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	14	0.3
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG21	15	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG21	5	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	7	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG23	12	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	13	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	14	0.3
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG21	15	0.3
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG21	3	0.3
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG21	3	0.3
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	13	0.3
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG23	14	0.3
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	1	0.3
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	14	0.3
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	14	0.3
(1,2656)	1:21:B:LEU:HD22	1:9:B:LEU:HD11	8	0.3
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD11	14	0.3
(1,2655)	1:21:A:LEU:HD22	1:9:A:LEU:HD11	8	0.3
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	13	0.3
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	13	0.3
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD12	12	0.3
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD12	13	0.3
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD12	12	0.3
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD11	4	0.3
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD11	7	0.3
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD11	4	0.3
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD11	7	0.3
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD12	11	0.3
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	13	0.3
(1,2329)	1:53:A:LYS:HG3	1:12:A:ILE:HD13	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	7	0.3
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	14	0.3
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	15	0.3
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	15	0.3
(1,2200)	1:29:B:LEU:HG	1:3:B:LYS:HB3	8	0.3
(1,2199)	1:29:A:LEU:HG	1:3:A:LYS:HB3	8	0.3
(1,2094)	1:13:B:GLY:HA3	1:53:B:LYS:HD3	11	0.3
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	12	0.3
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	14	0.3
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	10	0.3
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	12	0.3
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	15	0.3
(1,2038)	1:17:B:HIS:HB2	1:54:B:LEU:HA	10	0.3
(1,2037)	1:17:A:HIS:HB2	1:19:A:SER:HB2	10	0.3
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	14	0.3
(1,1938)	1:2:B:PRO:HB2	1:60:A:LEU:HA	2	0.3
(1,1937)	1:2:A:PRO:HB2	1:60:B:LEU:HA	2	0.3
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	14	0.3
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD11	2	0.3
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG23	3	0.3
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG23	3	0.3
(1,1560)	1:33:B:LYS:HE3	1:61:B:LEU:HD11	12	0.3
(1,1559)	1:33:A:LYS:HE3	1:61:A:LEU:HD11	12	0.3
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB2	6	0.3
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB2	6	0.3
(1,1431)	1:38:A:THR:H	1:36:A:ARG:HD2	10	0.3
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	15	0.3
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	15	0.3
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	10	0.3
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	1	0.3
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	1	0.3
(1,1266)	1:58:B:ALA:HA	1:59:B:GLU:HG2	7	0.3
(1,1265)	1:58:A:ALA:HA	1:59:A:GLU:HG2	7	0.3
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	15	0.3
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	15	0.3
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	10	0.3
(1,1168)	1:27:B:GLN:HE22	1:22:B:LEU:HA	2	0.3
(1,1167)	1:27:A:GLN:HE22	1:22:A:LEU:HA	2	0.3
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	8	0.3
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	12	0.3
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	8	0.3
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	6	0.3
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	4	0.3
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	1	0.3
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	6	0.3
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	12	0.3
(1,938)	1:49:B:GLN:H	1:48:B:PRO:HA	14	0.3
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	6	0.3
(1,937)	1:49:A:GLN:H	1:48:A:PRO:HA	14	0.3
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	7	0.3
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	7	0.3
(1,846)	1:7:B:GLU:H	1:29:B:LEU:HG	8	0.3
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	7	0.3
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	3	0.3
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD12	3	0.3
(1,604)	1:56:B:THR:H	1:55:B:LEU:HD22	6	0.3
(1,603)	1:56:A:THR:H	1:55:A:LEU:HD22	6	0.3
(1,578)	1:54:B:LEU:H	1:54:B:LEU:HD22	6	0.3
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	13	0.3
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	14	0.3
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	6	0.3
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	13	0.3
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	14	0.3
(1,453)	1:39:A:HIS:H	1:42:A:GLU:HB2	3	0.3
(1,375)	1:32:A:PHE:H	1:34:A:GLU:HG2	5	0.3
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	4	0.3
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	5	0.3
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	6	0.3
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	6	0.3
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	8	0.3
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	3	0.3
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	5	0.3
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	14	0.3
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	3	0.3
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	5	0.3
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	14	0.3
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	6	0.29
(2,4905)	1:61:A:LEU:HD11	1:60:B:LEU:HB3	5	0.29
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	14	0.29
(2,4832)	1:62:B:LEU:HD21	1:11:A:ARG:HA	8	0.29
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB1	9	0.29
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD22	13	0.29
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	3	0.29
(2,4803)	1:53:A:LYS:HE3	1:52:B:ALA:HB1	14	0.29
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	11	0.29
(2,4748)	1:60:B:LEU:HD13	1:57:A:ALA:HB2	7	0.29
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD12	4	0.29
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD12	15	0.29
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD12	15	0.29
(2,4689)	1:8:A:LEU:HD21	1:32:A:PHE:HZ	4	0.29
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	3	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	1	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	2	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	3	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	4	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	5	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	6	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	7	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	8	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	9	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	10	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	11	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	12	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	13	0.29
(2,4560)	1:26:B:TYR:HD2	1:26:B:TYR:HE2	14	0.29
(2,4560)	1:26:B:TYR:HD1	1:26:B:TYR:HE1	15	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	1	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	2	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	3	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	4	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	5	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	6	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	7	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	8	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	9	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	10	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	11	0.29
(2,4559)	1:26:A:TYR:HD1	1:26:A:TYR:HE1	12	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	13	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	14	0.29
(2,4559)	1:26:A:TYR:HD2	1:26:A:TYR:HE2	15	0.29
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	1	0.29
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD13	14	0.29
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD13	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD13	6	0.29
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	8	0.29
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	8	0.29
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	10	0.29
(2,4162)	1:12:B:ILE:HD12	1:11:B:ARG:H	9	0.29
(2,4124)	1:45:B:ILE:HG22	1:51:B:ARG:HA	3	0.29
(2,4123)	1:45:A:ILE:HG22	1:51:A:ARG:HA	3	0.29
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD21	3	0.29
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG23	12	0.29
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG23	12	0.29
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	14	0.29
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	14	0.29
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD11	1	0.29
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD11	1	0.29
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	14	0.29
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	11	0.29
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	14	0.29
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG23	5	0.29
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	11	0.29
(2,3849)	1:43:A:LEU:HD22	1:21:A:LEU:H	8	0.29
(2,3844)	1:43:B:LEU:HD21	1:26:B:TYR:HD1	2	0.29
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD12	13	0.29
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	8	0.29
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	8	0.29
(2,3729)	1:22:A:LEU:HD11	1:19:A:SER:H	13	0.29
(2,3712)	1:61:B:LEU:HD22	1:64:A:TYR:HD1	7	0.29
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	3	0.29
(2,3556)	1:8:B:LEU:HD13	1:32:B:PHE:HZ	14	0.29
(2,3555)	1:8:A:LEU:HD13	1:32:A:PHE:HZ	14	0.29
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	1	0.29
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	12	0.29
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	1	0.29
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	12	0.29
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	9	0.29
(2,3480)	1:61:B:LEU:HB3	1:61:B:LEU:HD12	13	0.29
(2,3479)	1:61:A:LEU:HB3	1:61:A:LEU:HD12	13	0.29
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	3	0.29
(2,3216)	1:15:B:GLU:H	1:15:B:GLU:HB2	8	0.29
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	3	0.29
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	10	0.29
(2,3215)	1:15:A:GLU:H	1:15:A:GLU:HB2	14	0.29
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	15	0.29
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG21	6	0.29
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	1	0.29
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	1	0.29
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	15	0.29
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	5	0.29
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD2	3	0.29
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	4	0.29
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD21	2	0.29
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	9	0.29
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	9	0.29
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD21	13	0.29
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD21	13	0.29
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD13	4	0.29
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	10	0.29
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	10	0.29
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	10	0.29
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	3	0.29
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	15	0.29
(2,898)	1:47:B:ASP:H	1:50:B:HIS:HD2	13	0.29
(2,897)	1:47:A:ASP:H	1:50:A:HIS:HD2	13	0.29
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	13	0.29
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	13	0.29
(2,879)	1:46:A:MET:H	1:51:A:ARG:HD3	14	0.29
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG21	8	0.29
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	10	0.29
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG23	11	0.29
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG21	12	0.29
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	10	0.29
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG23	11	0.29
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG21	12	0.29
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD11	8	0.29
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	1	0.29
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	10	0.29
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	10	0.29
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	8	0.29
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	15	0.29
(1,3132)	1:8:B:LEU:HD12	1:60:A:LEU:HG	4	0.29
(1,3124)	1:11:B:ARG:HB3	1:60:A:LEU:H	9	0.29
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	15	0.29
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	8	0.29
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	5	0.29
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	4	0.29
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	14	0.29
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD1	2	0.29
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD2	8	0.29
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD1	2	0.29
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD2	8	0.29
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	2	0.29
(1,2875)	1:58:A:ALA:HA	1:34:A:GLU:HA	2	0.29
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD13	12	0.29
(1,2854)	1:45:B:ILE:HD13	1:47:B:ASP:HB2	2	0.29
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE1	1	0.29
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB1	1	0.29
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB1	1	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB2	4	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB3	7	0.29
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB2	10	0.29
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	7	0.29
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB3	13	0.29
(1,2722)	1:52:B:ALA:HB3	1:53:A:LYS:HE3	13	0.29
(1,2721)	1:52:A:ALA:HB3	1:53:B:LYS:HE3	13	0.29
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	14	0.29
(1,2711)	1:38:A:THR:HG23	1:39:A:HIS:HD2	12	0.29
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG23	2	0.29
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	3	0.29
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	8	0.29
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	13	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG23	2	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	3	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	4	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG21	6	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	8	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG21	9	0.29
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG23	10	0.29
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG23	5	0.29
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG23	5	0.29
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG22	7	0.29
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG22	8	0.29
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	13	0.29
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG23	14	0.29
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	3	0.29
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	3	0.29
(1,2683)	1:66:A:THR:HG22	1:67:B:GLY:HA3	7	0.29
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD13	10	0.29
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD13	10	0.29
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD12	5	0.29
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD12	5	0.29
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	11	0.29
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	11	0.29
(1,2548)	1:5:B:LEU:HD23	1:9:B:LEU:H	15	0.29
(1,2547)	1:5:A:LEU:HD23	1:9:A:LEU:H	15	0.29
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD12	11	0.29
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	13	0.29
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	7	0.29
(1,2308)	1:45:B:ILE:HG12	1:40:B:LEU:HB2	3	0.29
(1,2307)	1:45:A:ILE:HG12	1:40:A:LEU:HB2	3	0.29
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD12	11	0.29
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD12	11	0.29
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	9	0.29
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	14	0.29
(1,2256)	1:54:B:LEU:HD12	1:45:B:ILE:HB	15	0.29
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	9	0.29
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	14	0.29
(1,2255)	1:54:A:LEU:HD12	1:45:A:ILE:HB	15	0.29
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	3	0.29
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	3	0.29
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	14	0.29
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	11	0.29
(1,2094)	1:53:B:LYS:HA	1:53:B:LYS:HD3	8	0.29
(1,2093)	1:53:A:LYS:HA	1:53:A:LYS:HD3	8	0.29
(1,2093)	1:13:A:GLY:HA3	1:53:A:LYS:HD3	11	0.29
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	10	0.29
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	1	0.29
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	9	0.29
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	1	0.29
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	9	0.29
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD13	2	0.29
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD13	2	0.29
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	14	0.29
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	3	0.29
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	3	0.29
(1,1720)	1:10:B:GLU:H	1:9:B:LEU:HB3	5	0.29
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	10	0.29
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	5	0.29
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	4	0.29
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	8	0.29
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	14	0.29
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	14	0.29
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	15	0.29
(1,1406)	1:51:B:ARG:HD3	1:47:B:ASP:HB2	14	0.29
(1,1405)	1:51:A:ARG:HD3	1:47:A:ASP:HB2	14	0.29
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	11	0.29
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	11	0.29
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	1	0.29
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	1	0.29
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	10	0.29
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	10	0.29
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	3	0.29
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD23	6	0.29
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	13	0.29
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	13	0.29
(1,1092)	1:28:B:THR:HA	1:29:B:LEU:HB2	11	0.29
(1,1091)	1:28:A:THR:HA	1:29:A:LEU:HB2	11	0.29
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD23	11	0.29
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD23	11	0.29
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	13	0.29
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	13	0.29
(1,1002)	1:37:B:GLU:HA	1:39:B:HIS:HA	2	0.29
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	1	0.29
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	1	0.29
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	15	0.29
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	15	0.29
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	7	0.29
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	7	0.29
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	1	0.29
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	1	0.29
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	2	0.29
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE2	10	0.29
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE2	10	0.29
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG22	10	0.29
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	7	0.29
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	3	0.29
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD12	3	0.29
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD13	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD13	1	0.29
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	8	0.29
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	15	0.29
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	8	0.29
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	15	0.29
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	6	0.29
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	8	0.29
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	10	0.29
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	10	0.29
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD23	14	0.29
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD23	14	0.29
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	2	0.29
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	2	0.29
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD11	3	0.29
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD11	3	0.29
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	4	0.29
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	12	0.29
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD12	5	0.29
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD12	5	0.29
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	1	0.29
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	8	0.29
(1,148)	1:9:B:LEU:H	1:10:B:GLU:HB2	13	0.29
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	1	0.29
(1,147)	1:9:A:LEU:H	1:10:A:GLU:HB2	13	0.29
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	4	0.29
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	4	0.29
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	11	0.29
(2,4906)	1:61:B:LEU:HD11	1:60:A:LEU:HB3	5	0.28
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD12	7	0.28
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	6	0.28
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	14	0.28
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	8	0.28
(2,4830)	1:60:B:LEU:HG	1:57:A:ALA:HB3	15	0.28
(2,4829)	1:60:A:LEU:HG	1:57:B:ALA:HB3	15	0.28
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	3	0.28
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	13	0.28
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB2	11	0.28
(2,4690)	1:8:B:LEU:HD21	1:32:B:PHE:HZ	4	0.28
(2,4690)	1:8:B:LEU:HD23	1:32:B:PHE:HZ	15	0.28
(2,4689)	1:8:A:LEU:HD23	1:32:A:PHE:HZ	15	0.28
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	4	0.28
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	9	0.28
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	8	0.28
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	8	0.28
(2,4161)	1:12:A:ILE:HD12	1:11:A:ARG:H	9	0.28
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG22	8	0.28
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG22	8	0.28
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD22	14	0.28
(2,3935)	1:36:A:ARG:HD3	1:55:A:LEU:HD11	15	0.28
(2,3929)	1:37:A:GLU:HB2	1:55:A:LEU:HD11	10	0.28
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD11	10	0.28
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD11	10	0.28
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG23	5	0.28
(2,3843)	1:43:A:LEU:HD21	1:26:A:TYR:HD1	2	0.28
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD13	2	0.28
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD11	9	0.28
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD13	2	0.28
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD11	9	0.28
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD11	9	0.28
(2,3712)	1:61:B:LEU:HD21	1:64:A:TYR:HD2	6	0.28
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	8	0.28
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	8	0.28
(2,3674)	1:35:B:LEU:HD12	1:55:B:LEU:HD11	8	0.28
(2,3673)	1:35:A:LEU:HD12	1:55:A:LEU:HD11	8	0.28
(2,3552)	1:8:B:LEU:HD13	1:8:B:LEU:HA	5	0.28
(2,3551)	1:8:A:LEU:HD13	1:8:A:LEU:HA	5	0.28
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	2	0.28
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	2	0.28
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	4	0.28
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	5	0.28
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	4	0.28
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD21	9	0.28
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	11	0.28
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	11	0.28
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG21	6	0.28
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD13	7	0.28
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD13	7	0.28
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	3	0.28
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	14	0.28
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	15	0.28
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	3	0.28
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	14	0.28
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	2	0.28
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	2	0.28
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	14	0.28
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	14	0.28
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD13	5	0.28
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD13	5	0.28
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	2	0.28
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	10	0.28
(2,2450)	1:63:B:ASP:HB2	1:66:A:THR:HG21	10	0.28
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	5	0.28
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	5	0.28
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	1	0.28
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	1	0.28
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD21	2	0.28
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	1	0.28
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	12	0.28
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	13	0.28
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	6	0.28
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	10	0.28
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	12	0.28
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	3	0.28
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	15	0.28
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	11	0.28
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD12	2	0.28
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	6	0.28
(2,880)	1:46:B:MET:H	1:51:B:ARG:HD3	14	0.28
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG21	8	0.28
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	2	0.28
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	9	0.28
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	2	0.28
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	9	0.28
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD11	8	0.28
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	4	0.28
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	12	0.28
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	12	0.28
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	12	0.28
(2,626)	1:33:B:LYS:H	1:34:B:GLU:HG3	5	0.28
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	11	0.28
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	11	0.28
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	6	0.28
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	13	0.28
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	13	0.28
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	11	0.28
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	7	0.28
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	6	0.28
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	10	0.28
(1,3186)	1:11:B:ARG:HG2	1:63:A:ASP:H	6	0.28
(1,3123)	1:11:A:ARG:HB3	1:60:B:LEU:H	9	0.28
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	15	0.28
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	8	0.28
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	1	0.28
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	8	0.28
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	1	0.28
(1,3035)	1:49:A:GLN:H	1:50:A:HIS:HD2	1	0.28
(1,2934)	1:14:B:LEU:HD12	1:16:B:GLU:HA	8	0.28
(1,2934)	1:14:B:LEU:HD12	1:16:B:GLU:HA	15	0.28
(1,2933)	1:14:A:LEU:HD12	1:16:A:GLU:HA	8	0.28
(1,2854)	1:45:B:ILE:HD12	1:47:B:ASP:HB2	12	0.28
(1,2853)	1:45:A:ILE:HD13	1:47:A:ASP:HB2	2	0.28
(1,2853)	1:45:A:ILE:HD12	1:47:A:ASP:HB2	12	0.28
(1,2844)	1:45:B:ILE:HD13	1:54:B:LEU:HB2	10	0.28
(1,2843)	1:45:A:ILE:HD13	1:54:A:LEU:HB2	10	0.28
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	4	0.28
(1,2782)	1:12:B:ILE:HG21	1:59:A:GLU:H	15	0.28
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB2	2	0.28
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	10	0.28
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB2	2	0.28
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	10	0.28
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	14	0.28
(1,2710)	1:38:B:THR:HB	1:38:B:THR:HG22	11	0.28
(1,2709)	1:38:A:THR:HA	1:38:A:THR:HG21	1	0.28
(1,2709)	1:38:A:THR:HB	1:38:A:THR:HG22	11	0.28
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG22	7	0.28
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG22	8	0.28
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	9	0.28
(1,2580)	1:21:B:LEU:HA	1:43:B:LEU:HD22	4	0.28
(1,2579)	1:21:A:LEU:HA	1:43:A:LEU:HD22	4	0.28
(1,2574)	1:43:B:LEU:HD22	1:40:B:LEU:HG	9	0.28
(1,2574)	1:43:B:LEU:HD22	1:40:B:LEU:HG	13	0.28
(1,2573)	1:43:A:LEU:HD22	1:40:A:LEU:HG	9	0.28
(1,2573)	1:43:A:LEU:HD22	1:40:A:LEU:HG	13	0.28
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	9	0.28
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD13	7	0.28
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD11	3	0.28
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD11	3	0.28
(1,2288)	1:54:B:LEU:H	1:55:B:LEU:HG	2	0.28
(1,2287)	1:54:A:LEU:H	1:55:A:LEU:HG	2	0.28
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	8	0.28
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	8	0.28
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	13	0.28
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	11	0.28
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	15	0.28
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	15	0.28
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	12	0.28
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	12	0.28
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD13	12	0.28
(1,1820)	1:37:B:GLU:HG2	1:39:B:HIS:HD2	6	0.28
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD23	13	0.28
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD23	13	0.28
(1,1732)	1:64:B:TYR:HB2	1:60:B:LEU:HD21	12	0.28
(1,1731)	1:64:A:TYR:HB2	1:60:A:LEU:HD21	12	0.28
(1,1719)	1:10:A:GLU:H	1:9:A:LEU:HB3	5	0.28
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	15	0.28
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	15	0.28
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD2	6	0.28
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	4	0.28
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	4	0.28
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	15	0.28
(1,1436)	1:36:B:ARG:HD3	1:59:B:GLU:HA	14	0.28
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	2	0.28
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	2	0.28
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	9	0.28
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	9	0.28
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	7	0.28
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	9	0.28
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	9	0.28
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	14	0.28
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	14	0.28
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	7	0.28
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	7	0.28
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	7	0.28
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	7	0.28
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	10	0.28
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	7	0.28
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	8	0.28
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	15	0.28
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	12	0.28
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD23	6	0.28
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	12	0.28
(1,1001)	1:37:A:GLU:HA	1:39:A:HIS:HA	2	0.28
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG21	9	0.28
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG21	9	0.28
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	2	0.28
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	12	0.28
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	12	0.28
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG23	6	0.28
(1,732)	1:64:B:TYR:H	1:66:A:THR:HG22	10	0.28
(1,731)	1:64:A:TYR:H	1:66:B:THR:HG23	6	0.28
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	11	0.28
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	11	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	1	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	2	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	3	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	4	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	5	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	7	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	9	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	10	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	11	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	12	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	13	0.28
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	14	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	1	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	2	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	3	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	4	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	5	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	7	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	9	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	10	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	11	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	12	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	13	0.28
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	14	0.28
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	15	0.28
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	7	0.28
(1,502)	1:44:B:ASN:H	1:46:B:MET:HG2	12	0.28
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	8	0.28
(1,501)	1:44:A:ASN:H	1:46:A:MET:HG2	12	0.28
(1,362)	1:32:B:PHE:H	1:61:B:LEU:HD13	5	0.28
(1,361)	1:32:A:PHE:H	1:61:A:LEU:HD13	5	0.28
(1,326)	1:28:B:THR:H	1:27:B:GLN:HB3	14	0.28
(1,325)	1:28:A:THR:H	1:27:A:GLN:HB3	14	0.28
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	12	0.28
(1,227)	1:18:A:THR:H	1:19:A:SER:HB3	14	0.28
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	4	0.28
(1,66)	1:3:B:LYS:H	1:3:B:LYS:HB3	10	0.28
(1,65)	1:3:A:LYS:H	1:3:A:LYS:HB3	10	0.28
(1,3)	1:53:A:LYS:H	1:53:B:LYS:HA	15	0.28
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	1	0.27
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD12	7	0.27
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	3	0.27
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	11	0.27
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	8	0.27
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	4	0.27
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD23	12	0.27
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD22	13	0.27
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD23	12	0.27
(2,4824)	1:8:B:LEU:HD13	1:60:A:LEU:H	7	0.27
(2,4823)	1:8:A:LEU:HD13	1:60:B:LEU:H	7	0.27
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	3	0.27
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD13	1	0.27
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	5	0.27
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	6	0.27
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	8	0.27
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	9	0.27
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	12	0.27
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	12	0.27
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	14	0.27
(2,4384)	1:5:B:LEU:HD23	1:32:B:PHE:HE2	5	0.27
(2,4383)	1:5:A:LEU:HD23	1:32:A:PHE:HE2	5	0.27
(2,4186)	1:22:B:LEU:HD12	1:21:B:LEU:HB2	9	0.27
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD1	2	0.27
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD1	2	0.27
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD22	14	0.27
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD22	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD23	15	0.27
(2,4020)	1:18:B:THR:HG22	1:22:B:LEU:H	5	0.27
(2,4019)	1:18:A:THR:HG22	1:22:A:LEU:H	5	0.27
(2,3992)	1:28:B:THR:HA	1:4:B:THR:HG21	5	0.27
(2,3991)	1:28:A:THR:HA	1:4:A:THR:HG21	5	0.27
(2,3936)	1:36:B:ARG:HD3	1:55:B:LEU:HD11	15	0.27
(2,3930)	1:37:B:GLU:HB2	1:55:B:LEU:HD11	10	0.27
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD12	4	0.27
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD12	4	0.27
(2,3915)	1:14:A:LEU:HD11	1:50:A:HIS:HD2	7	0.27
(2,3894)	1:24:B:ASN:HD22	1:20:B:THR:HG22	6	0.27
(2,3893)	1:24:A:ASN:HD22	1:20:A:THR:HG22	6	0.27
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG22	10	0.27
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG22	10	0.27
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	6	0.27
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	9	0.27
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	6	0.27
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	9	0.27
(2,3877)	1:24:A:ASN:HB2	1:20:A:THR:HG23	6	0.27
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE2	13	0.27
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE2	13	0.27
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD13	10	0.27
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD12	12	0.27
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD13	15	0.27
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD12	12	0.27
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD13	15	0.27
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD11	9	0.27
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD22	11	0.27
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD22	15	0.27
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD22	11	0.27
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD22	15	0.27
(2,3711)	1:61:A:LEU:HD21	1:64:B:TYR:HD2	5	0.27
(2,3674)	1:35:B:LEU:HD12	1:55:B:LEU:HD11	9	0.27
(2,3673)	1:35:A:LEU:HD12	1:55:A:LEU:HD11	9	0.27
(2,3556)	1:8:B:LEU:HD13	1:32:B:PHE:HZ	9	0.27
(2,3555)	1:8:A:LEU:HD12	1:32:A:PHE:HZ	8	0.27
(2,3555)	1:8:A:LEU:HD13	1:32:A:PHE:HZ	9	0.27
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE1	10	0.27
(2,3553)	1:8:A:LEU:HD12	1:32:A:PHE:HE1	10	0.27
(2,3238)	1:50:B:HIS:HA	1:14:B:LEU:HD23	6	0.27
(2,3237)	1:50:A:HIS:HA	1:14:A:LEU:HD23	6	0.27
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	6	0.27
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	3	0.27
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	3	0.27
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	7	0.27
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	7	0.27
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD21	9	0.27
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	8	0.27
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	8	0.27
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG23	4	0.27
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG23	4	0.27
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG21	14	0.27
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	5	0.27
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	8	0.27
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	5	0.27
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	2	0.27
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD12	4	0.27
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	12	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	2	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD12	4	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	6	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	9	0.27
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	12	0.27
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	13	0.27
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	13	0.27
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	3	0.27
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	9	0.27
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	3	0.27
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD11	2	0.27
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD11	2	0.27
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	2	0.27
(2,2492)	1:52:B:ALA:HA	1:55:B:LEU:HB3	15	0.27
(2,2491)	1:52:A:ALA:HA	1:55:A:LEU:HB3	15	0.27
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	10	0.27
(2,2449)	1:63:A:ASP:HB2	1:66:B:THR:HG21	10	0.27
(2,2446)	1:62:B:LEU:HA	1:65:B:ASP:HB3	12	0.27
(2,2445)	1:62:A:LEU:HA	1:65:A:ASP:HB3	12	0.27
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	15	0.27
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	15	0.27
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	4	0.27
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	4	0.27
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	13	0.27
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	13	0.27
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	3	0.27
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	13	0.27
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	3	0.27
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	13	0.27
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	7	0.27
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	12	0.27
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	12	0.27
(2,1833)	1:40:A:LEU:HA	1:43:A:LEU:HD12	11	0.27
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	13	0.27
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	13	0.27
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	5	0.27
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	7	0.27
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	10	0.27
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	5	0.27
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	7	0.27
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	10	0.27
(2,1527)	1:2:A:PRO:HA	1:3:A:LYS:HG2	14	0.27
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	12	0.27
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD23	7	0.27
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD22	9	0.27
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD22	9	0.27
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD11	3	0.27
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	5	0.27
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	1	0.27
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	14	0.27
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	14	0.27
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	12	0.27
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	13	0.27
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	6	0.27
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	12	0.27
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	1	0.27
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	11	0.27
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD12	2	0.27
(2,898)	1:47:B:ASP:H	1:50:B:HIS:HD2	10	0.27
(2,897)	1:47:A:ASP:H	1:50:A:HIS:HD2	10	0.27
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	6	0.27
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	1	0.27
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	1	0.27
(2,750)	1:40:B:LEU:H	1:39:B:HIS:HB3	11	0.27
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	4	0.27
(2,749)	1:40:A:LEU:H	1:39:A:HIS:HB3	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	1	0.27
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	12	0.27
(2,625)	1:33:A:LYS:H	1:34:A:GLU:HG3	5	0.27
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	14	0.27
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	14	0.27
(2,206)	1:9:B:LEU:H	1:8:B:LEU:HB2	15	0.27
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	7	0.27
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	9	0.27
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	15	0.27
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	5	0.27
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	6	0.27
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	10	0.27
(1,3183)	1:69:A:GLU:HG2	1:66:B:THR:H	6	0.27
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	6	0.27
(1,3131)	1:8:A:LEU:HD12	1:60:B:LEU:HG	4	0.27
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	8	0.27
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	9	0.27
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	14	0.27
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	2	0.27
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	14	0.27
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	10	0.27
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	10	0.27
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB2	14	0.27
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	14	0.27
(1,3036)	1:49:B:GLN:H	1:50:B:HIS:HD2	1	0.27
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	9	0.27
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	9	0.27
(1,2933)	1:14:A:LEU:HD12	1:16:A:GLU:HA	15	0.27
(1,2860)	1:45:B:ILE:HD12	1:17:B:HIS:HE1	8	0.27
(1,2859)	1:45:A:ILE:HD12	1:17:A:HIS:HE1	8	0.27
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	4	0.27
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB2	11	0.27
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB2	11	0.27
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD12	15	0.27
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD12	15	0.27
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	12	0.27
(1,2720)	1:52:B:ALA:HB1	1:12:A:ILE:HB	11	0.27
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	1	0.27
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	11	0.27
(1,2710)	1:38:B:THR:HA	1:38:B:THR:HG21	1	0.27
(1,2656)	1:21:B:LEU:HD21	1:9:B:LEU:HD11	15	0.27
(1,2655)	1:21:A:LEU:HD21	1:9:A:LEU:HD11	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:54:B:LEU:H	1:14:B:LEU:HD11	7	0.27
(1,2629)	1:54:A:LEU:H	1:14:A:LEU:HD11	7	0.27
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	12	0.27
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	12	0.27
(1,2548)	1:5:B:LEU:HD23	1:9:B:LEU:H	8	0.27
(1,2547)	1:5:A:LEU:HD23	1:9:A:LEU:H	8	0.27
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	7	0.27
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	9	0.27
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	7	0.27
(1,2500)	1:61:B:LEU:HD21	1:64:A:TYR:HB3	9	0.27
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD13	2	0.27
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD13	2	0.27
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	9	0.27
(1,2372)	1:14:B:LEU:HG	1:53:B:LYS:HD3	6	0.27
(1,2371)	1:14:A:LEU:HG	1:53:A:LYS:HD3	6	0.27
(1,2362)	1:53:B:LYS:H	1:55:B:LEU:HD21	11	0.27
(1,2361)	1:53:A:LYS:H	1:55:A:LEU:HD21	11	0.27
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD13	15	0.27
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD13	15	0.27
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	15	0.27
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	15	0.27
(1,2288)	1:54:B:LEU:H	1:55:B:LEU:HG	14	0.27
(1,2287)	1:54:A:LEU:H	1:55:A:LEU:HG	14	0.27
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	4	0.27
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	4	0.27
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	13	0.27
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	8	0.27
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	12	0.27
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	12	0.27
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	5	0.27
(1,1982)	1:48:B:PRO:HA	1:51:B:ARG:HB3	8	0.27
(1,1982)	1:51:B:ARG:HB3	1:52:B:ALA:HA	15	0.27
(1,1981)	1:48:A:PRO:HA	1:51:A:ARG:HB3	8	0.27
(1,1981)	1:51:A:ARG:HB3	1:52:A:ALA:HA	15	0.27
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD13	12	0.27
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	4	0.27
(1,1819)	1:37:A:GLU:HG2	1:39:A:HIS:HD2	6	0.27
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	2	0.27
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	13	0.27
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD2	6	0.27
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	9	0.27
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	1	0.27
(1,1435)	1:36:A:ARG:HD3	1:33:A:LYS:HA	14	0.27
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	4	0.27
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	4	0.27
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	14	0.27
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	1	0.27
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	7	0.27
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	14	0.27
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	6	0.27
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	6	0.27
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	12	0.27
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	13	0.27
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	5	0.27
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	13	0.27
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	5	0.27
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	4	0.27
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	7	0.27
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	15	0.27
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	14	0.27
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	14	0.27
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD23	6	0.27
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	7	0.27
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD23	6	0.27
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	7	0.27
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	8	0.27
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	10	0.27
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	8	0.27
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	10	0.27
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	5	0.27
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	2	0.27
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	2	0.27
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	4	0.27
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	12	0.27
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	1	0.27
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	4	0.27
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	12	0.27
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	6	0.27
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	6	0.27
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	2	0.27
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	2	0.27
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD23	1	0.27
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD23	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD23	1	0.27
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD23	1	0.27
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	4	0.27
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	4	0.27
(1,568)	1:53:B:LYS:H	1:53:B:LYS:HB3	6	0.27
(1,567)	1:53:A:LYS:H	1:53:A:LYS:HB3	6	0.27
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	4	0.27
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	7	0.27
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	5	0.27
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD12	7	0.27
(1,228)	1:18:B:THR:H	1:19:B:SER:HB3	14	0.27
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	7	0.27
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	4	0.27
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	8	0.27
(1,4)	1:53:B:LYS:H	1:53:A:LYS:HA	15	0.27
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	1	0.26
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	3	0.26
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD12	6	0.26
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	7	0.26
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	6	0.26
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	4	0.26
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	13	0.26
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD2	6	0.26
(2,4760)	1:8:B:LEU:HD21	1:60:A:LEU:HA	9	0.26
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	11	0.26
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD13	1	0.26
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD13	2	0.26
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	5	0.26
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	6	0.26
(2,4628)	1:45:B:ILE:HG21	1:50:B:HIS:HE1	10	0.26
(2,4627)	1:45:A:ILE:HG23	1:50:A:HIS:HE1	9	0.26
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	8	0.26
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	14	0.26
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	4	0.26
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	5	0.26
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	4	0.26
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	5	0.26
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	3	0.26
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	3	0.26
(2,4337)	1:24:A:ASN:HD22	1:20:A:THR:HA	12	0.26
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	1	0.26
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	8	0.26
(2,4185)	1:22:A:LEU:HD12	1:21:A:LEU:HB2	9	0.26
(2,4152)	1:12:B:ILE:HD13	1:32:B:PHE:HD2	4	0.26
(2,4151)	1:12:A:ILE:HD13	1:32:A:PHE:HD2	4	0.26
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD22	7	0.26
(2,4062)	1:57:B:ALA:HB2	1:60:A:LEU:HD23	11	0.26
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG23	15	0.26
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	3	0.26
(2,3928)	1:55:B:LEU:HD12	1:55:B:LEU:HG	5	0.26
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	11	0.26
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	15	0.26
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	3	0.26
(2,3927)	1:55:A:LEU:HD12	1:55:A:LEU:HG	5	0.26
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	11	0.26
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	15	0.26
(2,3916)	1:14:B:LEU:HD11	1:50:B:HIS:HD2	7	0.26
(2,3878)	1:24:B:ASN:HB2	1:20:B:THR:HG23	6	0.26
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	11	0.26
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD11	3	0.26
(2,3830)	1:43:B:LEU:HD22	1:43:B:LEU:HD12	4	0.26
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD12	8	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD11	3	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD12	4	0.26
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD12	8	0.26
(2,3829)	1:43:A:LEU:HD22	1:43:A:LEU:HD13	10	0.26
(2,3826)	1:40:B:LEU:HD12	1:36:B:ARG:HA	1	0.26
(2,3826)	1:40:B:LEU:HD13	1:36:B:ARG:HA	4	0.26
(2,3825)	1:40:A:LEU:HD12	1:36:A:ARG:HA	1	0.26
(2,3720)	1:27:B:GLN:HB3	1:22:B:LEU:HD11	7	0.26
(2,3719)	1:27:A:GLN:HB3	1:22:A:LEU:HD11	7	0.26
(2,3712)	1:61:B:LEU:HD23	1:64:A:TYR:HD1	1	0.26
(2,3662)	1:40:B:LEU:HD13	1:37:B:GLU:HA	6	0.26
(2,3661)	1:40:A:LEU:HD13	1:37:A:GLU:HA	6	0.26
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD11	15	0.26
(2,3579)	1:29:A:LEU:HD11	1:64:B:TYR:HD2	12	0.26
(2,3556)	1:8:B:LEU:HD12	1:32:B:PHE:HZ	8	0.26
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	3	0.26
(2,3542)	1:8:B:LEU:HD12	1:12:B:ILE:HD13	13	0.26
(2,3541)	1:8:A:LEU:HD12	1:12:A:ILE:HD13	13	0.26
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	1	0.26
(2,3292)	1:48:B:PRO:HG2	1:49:A:GLN:HE22	7	0.26
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	10	0.26
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	9	0.26
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	10	0.26
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	2	0.26
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	2	0.26
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	3	0.26
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	10	0.26
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	3	0.26
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG21	3	0.26
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG21	14	0.26
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	8	0.26
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	6	0.26
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	9	0.26
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	13	0.26
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	13	0.26
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	1	0.26
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	1	0.26
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	9	0.26
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	9	0.26
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	9	0.26
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD21	6	0.26
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD21	6	0.26
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	1	0.26
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	7	0.26
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	11	0.26
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	11	0.26
(2,1834)	1:40:B:LEU:HA	1:43:B:LEU:HD12	11	0.26
(2,1799)	1:26:A:TYR:H	1:22:A:LEU:HA	12	0.26
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	11	0.26
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	11	0.26
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD23	3	0.26
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD23	3	0.26
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	4	0.26
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	6	0.26
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	12	0.26
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	4	0.26
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	6	0.26
(2,1528)	1:2:B:PRO:HA	1:3:B:LYS:HG2	14	0.26
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	12	0.26
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD21	1	0.26
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD21	1	0.26
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD23	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD11	3	0.26
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	10	0.26
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	5	0.26
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	2	0.26
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	5	0.26
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD11	8	0.26
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	15	0.26
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	2	0.26
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	4	0.26
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	2	0.26
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	4	0.26
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	7	0.26
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	8	0.26
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	1	0.26
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	8	0.26
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	4	0.26
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	5	0.26
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	5	0.26
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	1	0.26
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	4	0.26
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	8	0.26
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	8	0.26
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD11	9	0.26
(2,205)	1:9:A:LEU:H	1:8:A:LEU:HB2	15	0.26
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	11	0.26
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	13	0.26
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	9	0.26
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	5	0.26
(2,36)	1:52:B:ALA:H	1:53:A:LYS:HG3	12	0.26
(2,35)	1:52:A:ALA:H	1:53:B:LYS:HG3	12	0.26
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB1	6	0.26
(1,3134)	1:55:B:LEU:HD23	1:53:A:LYS:HD2	8	0.26
(1,3126)	1:11:B:ARG:HB3	1:60:A:LEU:HD11	9	0.26
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	2	0.26
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	10	0.26
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	9	0.26
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	10	0.26
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	14	0.26
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	4	0.26
(1,3090)	1:8:B:LEU:HD23	1:56:A:THR:HA	13	0.26
(1,3087)	1:60:A:LEU:HD12	1:61:B:LEU:HA	13	0.26
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	8	0.26
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	13	0.26
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE1	14	0.26
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	13	0.26
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE1	14	0.26
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	3	0.26
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	7	0.26
(1,2934)	1:14:B:LEU:HD12	1:16:B:GLU:HA	6	0.26
(1,2933)	1:14:A:LEU:HD12	1:16:A:GLU:HA	6	0.26
(1,2892)	1:11:B:ARG:HG3	1:59:A:GLU:HB2	13	0.26
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD12	9	0.26
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD12	9	0.26
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	7	0.26
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	7	0.26
(1,2844)	1:45:B:ILE:HD13	1:54:B:LEU:HB2	8	0.26
(1,2843)	1:45:A:ILE:HD13	1:54:A:LEU:HB2	8	0.26
(1,2802)	1:47:B:ASP:HB3	1:45:B:ILE:HG22	13	0.26
(1,2801)	1:47:A:ASP:HB3	1:45:A:ILE:HG22	13	0.26
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB3	11	0.26
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB3	11	0.26
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB2	6	0.26
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB2	6	0.26
(1,2724)	1:49:B:GLN:HA	1:52:B:ALA:HB3	5	0.26
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB1	14	0.26
(1,2723)	1:49:A:GLN:HA	1:52:A:ALA:HB3	5	0.26
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB1	14	0.26
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	12	0.26
(1,2721)	1:52:A:ALA:HB2	1:53:B:LYS:HE3	6	0.26
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	1	0.26
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	11	0.26
(1,2655)	1:21:A:LEU:HD23	1:9:A:LEU:HD12	12	0.26
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD13	11	0.26
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD13	11	0.26
(1,2620)	1:54:B:LEU:HD13	1:14:B:LEU:HD12	15	0.26
(1,2619)	1:54:A:LEU:HD13	1:14:A:LEU:HD12	15	0.26
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD13	5	0.26
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	1	0.26
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	1	0.26
(1,2499)	1:61:A:LEU:HD21	1:64:B:TYR:HB3	9	0.26
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	3	0.26
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	3	0.26
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2376)	1:35:B:LEU:HD23	1:21:B:LEU:HD12	4	0.26
(1,2375)	1:35:A:LEU:HD23	1:21:A:LEU:HD12	4	0.26
(1,2362)	1:53:B:LYS:H	1:55:B:LEU:HD23	15	0.26
(1,2361)	1:53:A:LYS:H	1:55:A:LEU:HD23	15	0.26
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	4	0.26
(1,2200)	1:29:B:LEU:HG	1:7:B:GLU:HB2	3	0.26
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	4	0.26
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	9	0.26
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	4	0.26
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	8	0.26
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	9	0.26
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	5	0.26
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	2	0.26
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	2	0.26
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	4	0.26
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	4	0.26
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	8	0.26
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	4	0.26
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	8	0.26
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	14	0.26
(1,1804)	1:45:B:ILE:HB	1:51:B:ARG:HB3	11	0.26
(1,1803)	1:45:A:ILE:HB	1:51:A:ARG:HB3	11	0.26
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	2	0.26
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	2	0.26
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	8	0.26
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	8	0.26
(1,1679)	1:24:A:ASN:HB3	1:23:A:LEU:HB3	13	0.26
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	9	0.26
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	8	0.26
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB3	12	0.26
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	12	0.26
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	6	0.26
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	1	0.26
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	12	0.26
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	5	0.26
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	5	0.26
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	13	0.26
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	13	0.26
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	1	0.26
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	10	0.26
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	15	0.26
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	3	0.26
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	15	0.26
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	5	0.26
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	5	0.26
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	1	0.26
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	6	0.26
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	8	0.26
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	10	0.26
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	6	0.26
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	9	0.26
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	10	0.26
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	13	0.26
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	3	0.26
(1,748)	1:65:B:ASP:H	1:64:A:TYR:HD1	9	0.26
(1,747)	1:65:A:ASP:H	1:64:B:TYR:HD1	9	0.26
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD22	2	0.26
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD11	9	0.26
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	13	0.26
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	5	0.26
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	12	0.26
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	13	0.26
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD13	10	0.26
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD13	10	0.26
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	5	0.26
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	5	0.26
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	4	0.26
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	5	0.26
(1,454)	1:39:B:HIS:H	1:37:B:GLU:HG2	11	0.26
(1,453)	1:39:A:HIS:H	1:37:A:GLU:HG2	11	0.26
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD21	1	0.26
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	5	0.26
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD12	7	0.26
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	4	0.26
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	9	0.26
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	4	0.26
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	8	0.26
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	9	0.26
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	13	0.26
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	13	0.26
(1,148)	1:9:B:LEU:H	1:2:B:PRO:HB3	12	0.26
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	7	0.26
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	7	0.26
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	2	0.25
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD12	6	0.25
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	14	0.25
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	2	0.25
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	14	0.25
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	1	0.25
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	2	0.25
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	3	0.25
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	3	0.25
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	7	0.25
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	13	0.25
(2,4759)	1:8:A:LEU:HD21	1:60:B:LEU:HA	9	0.25
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	8	0.25
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD13	2	0.25
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD13	8	0.25
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD11	14	0.25
(2,4628)	1:45:B:ILE:HG23	1:50:B:HIS:HE1	9	0.25
(2,4627)	1:45:A:ILE:HG21	1:50:A:HIS:HE1	10	0.25
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	6	0.25
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	11	0.25
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	6	0.25
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	14	0.25
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	3	0.25
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	14	0.25
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	8	0.25
(2,4152)	1:12:B:ILE:HD11	1:32:B:PHE:HD2	6	0.25
(2,4151)	1:12:A:ILE:HD11	1:32:A:PHE:HD2	6	0.25
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD22	9	0.25
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD23	15	0.25
(2,4061)	1:57:A:ALA:HB1	1:60:B:LEU:HD22	9	0.25
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	12	0.25
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	12	0.25
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG23	15	0.25
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG21	11	0.25
(2,3928)	1:55:B:LEU:HD12	1:55:B:LEU:HG	6	0.25
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	12	0.25
(2,3928)	1:55:B:LEU:HD12	1:55:B:LEU:HG	13	0.25
(2,3927)	1:55:A:LEU:HD12	1:55:A:LEU:HG	6	0.25
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	12	0.25
(2,3927)	1:55:A:LEU:HD12	1:55:A:LEU:HG	13	0.25
(2,3924)	1:55:B:LEU:HD22	1:55:B:LEU:HD12	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3924)	1:55:B:LEU:HD21	1:55:B:LEU:HD12	15	0.25
(2,3923)	1:55:A:LEU:HD22	1:55:A:LEU:HD12	11	0.25
(2,3923)	1:55:A:LEU:HD21	1:55:A:LEU:HD12	15	0.25
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG21	8	0.25
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG21	8	0.25
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	2	0.25
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	2	0.25
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD1	14	0.25
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD1	14	0.25
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE2	9	0.25
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE2	9	0.25
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD13	1	0.25
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD13	5	0.25
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD11	11	0.25
(2,3830)	1:43:B:LEU:HD23	1:43:B:LEU:HD12	14	0.25
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD13	1	0.25
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD13	5	0.25
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD11	11	0.25
(2,3829)	1:43:A:LEU:HD23	1:43:A:LEU:HD12	14	0.25
(2,3825)	1:40:A:LEU:HD13	1:36:A:ARG:HA	4	0.25
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD12	7	0.25
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD12	7	0.25
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD23	10	0.25
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD23	10	0.25
(2,3712)	1:61:B:LEU:HD21	1:64:A:TYR:HD2	5	0.25
(2,3711)	1:61:A:LEU:HD23	1:64:B:TYR:HD1	1	0.25
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD11	15	0.25
(2,3580)	1:29:B:LEU:HD11	1:64:A:TYR:HD2	12	0.25
(2,3552)	1:8:B:LEU:HD11	1:8:B:LEU:HA	7	0.25
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	11	0.25
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	3	0.25
(2,3551)	1:8:A:LEU:HD11	1:8:A:LEU:HA	7	0.25
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	11	0.25
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	1	0.25
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	6	0.25
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	6	0.25
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	8	0.25
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	8	0.25
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	9	0.25
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD21	4	0.25
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD21	4	0.25
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	5	0.25
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	5	0.25
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	7	0.25
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD12	10	0.25
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG21	3	0.25
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	11	0.25
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	11	0.25
(2,2790)	1:59:B:GLU:H	1:59:B:GLU:HG3	9	0.25
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	10	0.25
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	5	0.25
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	10	0.25
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	7	0.25
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD13	8	0.25
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	11	0.25
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD13	8	0.25
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	11	0.25
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	3	0.25
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	3	0.25
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG21	10	0.25
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG21	10	0.25
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	14	0.25
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	14	0.25
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	3	0.25
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	3	0.25
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	4	0.25
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	4	0.25
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	4	0.25
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	13	0.25
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	4	0.25
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	13	0.25
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	3	0.25
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	3	0.25
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	9	0.25
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD21	4	0.25
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD21	4	0.25
(2,1800)	1:26:B:TYR:H	1:22:B:LEU:HA	12	0.25
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	12	0.25
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	12	0.25
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	12	0.25
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	12	0.25
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	11	0.25
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	8	0.25
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	13	0.25
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	14	0.25
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	8	0.25
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	12	0.25
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	13	0.25
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD11	6	0.25
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	5	0.25
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	10	0.25
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	2	0.25
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD11	8	0.25
(2,1278)	1:33:B:LYS:H	1:29:B:LEU:HA	15	0.25
(2,1277)	1:33:A:LYS:H	1:29:A:LEU:HA	15	0.25
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	15	0.25
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	7	0.25
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD21	14	0.25
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD21	14	0.25
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	11	0.25
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	4	0.25
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	11	0.25
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	4	0.25
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	1	0.25
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	1	0.25
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	4	0.25
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	10	0.25
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	10	0.25
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	9	0.25
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	9	0.25
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD11	9	0.25
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	13	0.25
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	6	0.25
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	13	0.25
(1,3125)	1:11:A:ARG:HB3	1:60:B:LEU:HD11	9	0.25
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	4	0.25
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	12	0.25
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	14	0.25
(1,3088)	1:60:B:LEU:HD12	1:61:A:LEU:HA	13	0.25
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	7	0.25
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	7	0.25
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	6	0.25
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	6	0.25
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	15	0.25
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	7	0.25
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	15	0.25
(1,2891)	1:11:A:ARG:HG3	1:59:B:GLU:HB2	13	0.25
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD13	5	0.25
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD12	10	0.25
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD13	5	0.25
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD12	10	0.25
(1,2840)	1:21:B:LEU:HD21	1:45:B:ILE:HD11	12	0.25
(1,2839)	1:21:A:LEU:HD21	1:45:A:ILE:HD11	12	0.25
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE1	6	0.25
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE1	6	0.25
(1,2781)	1:12:A:ILE:HG21	1:59:B:GLU:H	15	0.25
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB3	8	0.25
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	13	0.25
(1,2774)	1:58:B:ALA:H	1:57:B:ALA:HB1	15	0.25
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB3	8	0.25
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	13	0.25
(1,2773)	1:58:A:ALA:H	1:57:A:ALA:HB1	15	0.25
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB2	6	0.25
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB1	15	0.25
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB2	6	0.25
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB1	15	0.25
(1,2719)	1:52:A:ALA:HB1	1:12:B:ILE:HB	11	0.25
(1,2658)	1:9:B:LEU:HD13	1:21:B:LEU:HB2	4	0.25
(1,2658)	1:9:B:LEU:HD12	1:21:B:LEU:HB2	6	0.25
(1,2657)	1:9:A:LEU:HD13	1:21:A:LEU:HB2	4	0.25
(1,2657)	1:9:A:LEU:HD12	1:21:A:LEU:HB2	6	0.25
(1,2656)	1:21:B:LEU:HD23	1:9:B:LEU:HD12	12	0.25
(1,2628)	1:14:B:LEU:HD12	1:47:B:ASP:HB2	1	0.25
(1,2627)	1:14:A:LEU:HD12	1:47:A:ASP:HB2	1	0.25
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD13	5	0.25
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	2	0.25
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	2	0.25
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD11	2	0.25
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD11	12	0.25
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD11	12	0.25
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	2	0.25
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	3	0.25
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	3	0.25
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	5	0.25
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	1	0.25
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	13	0.25
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	13	0.25
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	4	0.25
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	1	0.25
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	1	0.25
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	10	0.25
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	10	0.25
(1,2199)	1:29:A:LEU:HG	1:7:A:GLU:HB2	3	0.25
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	10	0.25
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	10	0.25
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	3	0.25
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	3	0.25
(1,1880)	1:27:B:GLN:HG2	1:28:B:THR:H	9	0.25
(1,1879)	1:27:A:GLN:HG2	1:28:A:THR:H	9	0.25
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	2	0.25
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	14	0.25
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	7	0.25
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	7	0.25
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD11	3	0.25
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD11	3	0.25
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	11	0.25
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD1	12	0.25
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD1	12	0.25
(1,1541)	1:3:A:LYS:HE3	1:4:A:THR:HA	15	0.25
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD13	3	0.25
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB3	12	0.25
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	7	0.25
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	7	0.25
(1,1422)	1:46:B:MET:H	1:51:B:ARG:HD2	12	0.25
(1,1421)	1:46:A:MET:H	1:51:A:ARG:HD2	12	0.25
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	12	0.25
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	8	0.25
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD21	15	0.25
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD21	15	0.25
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	6	0.25
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	12	0.25
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	4	0.25
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	11	0.25
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	4	0.25
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	11	0.25
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	14	0.25
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	11	0.25
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	14	0.25
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	1	0.25
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	8	0.25
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	8	0.25
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	10	0.25
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	2	0.25
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	7	0.25
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	2	0.25
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	7	0.25
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	8	0.25
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	8	0.25
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	9	0.25
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	3	0.25
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	15	0.25
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	5	0.25
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	12	0.25
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	9	0.25
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	13	0.25
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	14	0.25
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	8	0.25
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	14	0.25
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	7	0.25
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	6	0.25
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	3	0.25
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	6	0.25
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE1	13	0.25
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	11	0.25
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD22	2	0.25
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD11	9	0.25
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	5	0.25
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	5	0.25
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD21	6	0.25
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	5	0.25
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	12	0.25
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	2	0.25
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	2	0.25
(1,545)	1:50:A:HIS:H	1:47:A:ASP:HB2	11	0.25
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD13	11	0.25
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD12	6	0.25
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD13	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD12	12	0.25
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD21	1	0.25
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	5	0.25
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	8	0.25
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	10	0.25
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	10	0.25
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD12	15	0.25
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD12	15	0.25
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	3	0.25
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	3	0.25
(1,147)	1:9:A:LEU:H	1:2:A:PRO:HB3	12	0.25
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	7	0.25
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	2	0.24
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	15	0.24
(2,4920)	1:60:B:LEU:HD23	1:8:A:LEU:HG	15	0.24
(2,4919)	1:60:A:LEU:HD23	1:8:B:LEU:HG	15	0.24
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	12	0.24
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	1	0.24
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	11	0.24
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	15	0.24
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	14	0.24
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	6	0.24
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB2	8	0.24
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	8	0.24
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD12	10	0.24
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD11	14	0.24
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	11	0.24
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	11	0.24
(2,4482)	1:27:B:GLN:HB2	1:28:B:THR:HG22	8	0.24
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD11	5	0.24
(2,4338)	1:24:B:ASN:HD22	1:20:B:THR:HA	12	0.24
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	1	0.24
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	3	0.24
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	5	0.24
(2,4124)	1:45:B:ILE:HG23	1:51:B:ARG:HA	11	0.24
(2,4123)	1:45:A:ILE:HG23	1:51:A:ARG:HA	11	0.24
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD22	7	0.24
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	11	0.24
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	11	0.24
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG23	15	0.24
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG23	15	0.24
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG22	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG22	14	0.24
(2,3962)	1:9:B:LEU:HD13	1:17:B:HIS:HB3	9	0.24
(2,3961)	1:9:A:LEU:HD13	1:17:A:HIS:HB3	9	0.24
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	1	0.24
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	4	0.24
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	7	0.24
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	9	0.24
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	10	0.24
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	1	0.24
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	4	0.24
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	7	0.24
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	9	0.24
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	10	0.24
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	2	0.24
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	6	0.24
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG22	15	0.24
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	6	0.24
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG22	15	0.24
(2,3876)	1:43:B:LEU:HD22	1:20:B:THR:HG22	13	0.24
(2,3875)	1:43:A:LEU:HD22	1:20:A:THR:HG22	13	0.24
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE1	15	0.24
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE1	15	0.24
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	10	0.24
(2,3856)	1:23:B:LEU:HD22	1:24:B:ASN:HD21	14	0.24
(2,3855)	1:23:A:LEU:HD22	1:24:A:ASN:HD21	14	0.24
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD13	6	0.24
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD13	6	0.24
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD11	15	0.24
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD11	15	0.24
(2,3729)	1:22:A:LEU:HD11	1:19:A:SER:H	6	0.24
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD21	12	0.24
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD21	12	0.24
(2,3579)	1:29:A:LEU:HD11	1:64:B:TYR:HD1	6	0.24
(2,3432)	1:21:B:LEU:HD22	1:45:B:ILE:HD11	15	0.24
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	9	0.24
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	5	0.24
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	5	0.24
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	1	0.24
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	1	0.24
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	8	0.24
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	1	0.24
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	8	0.24
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	13	0.24
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	8	0.24
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	13	0.24
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD12	7	0.24
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	1	0.24
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	13	0.24
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	15	0.24
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	9	0.24
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	13	0.24
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	15	0.24
(2,2789)	1:59:A:GLU:H	1:59:A:GLU:HG3	9	0.24
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	5	0.24
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD11	5	0.24
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	5	0.24
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD11	7	0.24
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG23	5	0.24
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	4	0.24
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	4	0.24
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	10	0.24
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	10	0.24
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	5	0.24
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD2	4	0.24
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	5	0.24
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	6	0.24
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	5	0.24
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	5	0.24
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	2	0.24
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	9	0.24
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	11	0.24
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	1	0.24
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	2	0.24
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	11	0.24
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD1	13	0.24
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD1	13	0.24
(2,1666)	1:30:B:GLU:HA	1:62:B:LEU:HD13	3	0.24
(2,1665)	1:30:A:GLU:HA	1:62:A:LEU:HD13	3	0.24
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	7	0.24
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	7	0.24
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	2	0.24
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	3	0.24
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	3	0.24
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	14	0.24
(2,1518)	1:38:B:THR:HA	1:40:B:LEU:HB3	14	0.24
(2,1517)	1:38:A:THR:HA	1:40:A:LEU:HB3	14	0.24
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	10	0.24
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD11	9	0.24
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD11	6	0.24
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	8	0.24
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	9	0.24
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	10	0.24
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	9	0.24
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	10	0.24
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD23	12	0.24
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	4	0.24
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD13	13	0.24
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD13	13	0.24
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	14	0.24
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	13	0.24
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	15	0.24
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	6	0.24
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	12	0.24
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	12	0.24
(1,3176)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	11	0.24
(1,3142)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	11	0.24
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	11	0.24
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	13	0.24
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	12	0.24
(1,3089)	1:8:A:LEU:HD23	1:56:B:THR:HA	13	0.24
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	12	0.24
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD22	8	0.24
(1,3042)	1:39:B:HIS:HD2	1:39:B:HIS:HB3	4	0.24
(1,3018)	1:32:B:PHE:HD2	1:8:B:LEU:HB2	6	0.24
(1,3017)	1:32:A:PHE:HD2	1:8:A:LEU:HB2	6	0.24
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	10	0.24
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	12	0.24
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	10	0.24
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD2	1	0.24
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD2	1	0.24
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	8	0.24
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	9	0.24
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	9	0.24
(1,2862)	1:43:B:LEU:H	1:45:B:ILE:HD11	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2861)	1:43:A:LEU:H	1:45:A:ILE:HD11	8	0.24
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD11	8	0.24
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD11	10	0.24
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD11	8	0.24
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD11	10	0.24
(1,2844)	1:45:B:ILE:HD12	1:54:B:LEU:HB2	15	0.24
(1,2843)	1:45:A:ILE:HD12	1:54:A:LEU:HB2	15	0.24
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB3	2	0.24
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	15	0.24
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB3	2	0.24
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	15	0.24
(1,2736)	1:58:B:ALA:HB1	1:12:B:ILE:HD11	2	0.24
(1,2735)	1:58:A:ALA:HB1	1:12:A:ILE:HD11	2	0.24
(1,2724)	1:52:B:ALA:HA	1:52:B:ALA:HB2	12	0.24
(1,2723)	1:52:A:ALA:HA	1:52:A:ALA:HB2	12	0.24
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG21	14	0.24
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD11	3	0.24
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD11	3	0.24
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD13	5	0.24
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD13	5	0.24
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD11	3	0.24
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD11	3	0.24
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	8	0.24
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	8	0.24
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	6	0.24
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	15	0.24
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD11	2	0.24
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	6	0.24
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	15	0.24
(1,2394)	1:35:B:LEU:HD22	1:39:B:HIS:H	9	0.24
(1,2394)	1:35:B:LEU:HD23	1:39:B:HIS:H	11	0.24
(1,2393)	1:35:A:LEU:HD22	1:39:A:HIS:H	9	0.24
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD12	3	0.24
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	2	0.24
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD11	8	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	1	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	4	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	5	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	6	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	12	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	13	0.24
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	1	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	4	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	6	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	12	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	13	0.24
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	14	0.24
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	11	0.24
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	2	0.24
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	3	0.24
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	11	0.24
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	3	0.24
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	13	0.24
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	13	0.24
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	13	0.24
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	13	0.24
(1,1596)	1:47:B:ASP:HB3	1:54:B:LEU:HG	13	0.24
(1,1595)	1:47:A:ASP:HB3	1:54:A:LEU:HG	13	0.24
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD2	13	0.24
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD2	1	0.24
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD2	13	0.24
(1,1542)	1:3:B:LYS:HE3	1:4:B:THR:HA	15	0.24
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD13	3	0.24
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD12	6	0.24
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD12	6	0.24
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	3	0.24
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	14	0.24
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	14	0.24
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	8	0.24
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	4	0.24
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	4	0.24
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	12	0.24
(1,1255)	1:27:A:GLN:HA	1:6:A:HIS:HA	3	0.24
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	6	0.24
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	14	0.24
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	14	0.24
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	3	0.24
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	6	0.24
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	3	0.24
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	6	0.24
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	5	0.24
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	9	0.24
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	14	0.24
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	12	0.24
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD12	13	0.24
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD13	12	0.24
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD12	13	0.24
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG21	2	0.24
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG21	8	0.24
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG21	2	0.24
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG21	8	0.24
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	12	0.24
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	5	0.24
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	5	0.24
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	7	0.24
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE1	13	0.24
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	10	0.24
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	10	0.24
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	11	0.24
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD21	6	0.24
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	2	0.24
(1,546)	1:50:B:HIS:H	1:47:B:ASP:HB2	11	0.24
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	8	0.24
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD12	6	0.24
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD12	12	0.24
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	1	0.24
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	1	0.24
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	4	0.24
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD11	9	0.24
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	12	0.24
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD11	9	0.24
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	12	0.24
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	8	0.24
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	12	0.24
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	12	0.24
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	10	0.24
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	10	0.24
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	5	0.24
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	5	0.24
(1,66)	1:3:B:LYS:H	1:2:B:PRO:HB3	1	0.24
(1,65)	1:3:A:LYS:H	1:2:A:PRO:HB3	1	0.24
(1,43)	1:53:A:LYS:H	1:53:B:LYS:HG3	15	0.24
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	3	0.23
(2,4906)	1:61:B:LEU:HD13	1:60:A:LEU:HB3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	14	0.23
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	12	0.23
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	13	0.23
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	7	0.23
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	13	0.23
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	1	0.23
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	3	0.23
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD2	10	0.23
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD21	2	0.23
(2,4728)	1:52:B:ALA:HB3	1:49:A:GLN:HA	5	0.23
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD12	5	0.23
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD11	6	0.23
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	11	0.23
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	10	0.23
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	10	0.23
(2,4618)	1:14:B:LEU:HD21	1:50:B:HIS:HD2	5	0.23
(2,4592)	1:14:B:LEU:HB3	1:17:B:HIS:HD2	13	0.23
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	2	0.23
(2,4481)	1:27:A:GLN:HB2	1:28:A:THR:HG22	8	0.23
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD12	1	0.23
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD11	5	0.23
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD12	1	0.23
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	5	0.23
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	13	0.23
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	1	0.23
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	13	0.23
(2,4062)	1:57:B:ALA:HB1	1:60:A:LEU:HD22	6	0.23
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	10	0.23
(2,4018)	1:18:B:THR:HG23	1:6:B:HIS:HD2	8	0.23
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG21	15	0.23
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG21	11	0.23
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG21	15	0.23
(2,3942)	1:36:B:ARG:HA	1:55:B:LEU:HD11	11	0.23
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	2	0.23
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	2	0.23
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD12	12	0.23
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD12	12	0.23
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	2	0.23
(2,3876)	1:43:B:LEU:HD22	1:20:B:THR:HG23	14	0.23
(2,3875)	1:43:A:LEU:HD22	1:20:A:THR:HG23	14	0.23
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	3	0.23
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3830)	1:43:B:LEU:HD21	1:43:B:LEU:HD11	7	0.23
(2,3829)	1:43:A:LEU:HD21	1:43:A:LEU:HD11	7	0.23
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD11	3	0.23
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD13	13	0.23
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD13	13	0.23
(2,3730)	1:22:B:LEU:HD11	1:19:B:SER:H	6	0.23
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD11	10	0.23
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD12	11	0.23
(2,3554)	1:8:B:LEU:HD12	1:32:B:PHE:HE1	1	0.23
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE1	2	0.23
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE1	1	0.23
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE1	2	0.23
(2,3552)	1:8:B:LEU:HD13	1:8:B:LEU:HA	10	0.23
(2,3551)	1:8:A:LEU:HD13	1:8:A:LEU:HA	10	0.23
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD12	5	0.23
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	6	0.23
(2,3431)	1:21:A:LEU:HD22	1:45:A:ILE:HD11	15	0.23
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	8	0.23
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD22	1	0.23
(2,3166)	1:6:B:HIS:HB3	1:22:B:LEU:HD23	6	0.23
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD22	1	0.23
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD23	6	0.23
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	1	0.23
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	4	0.23
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	9	0.23
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	4	0.23
(2,2852)	1:27:B:GLN:H	1:27:B:GLN:HG2	8	0.23
(2,2851)	1:27:A:GLN:H	1:27:A:GLN:HG2	8	0.23
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	1	0.23
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	1	0.23
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	10	0.23
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	10	0.23
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	15	0.23
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	11	0.23
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	10	0.23
(2,2616)	1:9:B:LEU:HB2	1:9:B:LEU:HD12	10	0.23
(2,2615)	1:9:A:LEU:HB2	1:9:A:LEU:HD12	10	0.23
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	9	0.23
(2,2578)	1:21:B:LEU:HB2	1:26:B:TYR:HB3	12	0.23
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	9	0.23
(2,2577)	1:21:A:LEU:HB2	1:26:A:TYR:HB3	12	0.23
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	1	0.23
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	2	0.23
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	2	0.23
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	11	0.23
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD1	2	0.23
(2,2310)	1:33:B:LYS:HE3	1:32:B:PHE:HD2	4	0.23
(2,2309)	1:33:A:LYS:HE3	1:32:A:PHE:HD1	2	0.23
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	10	0.23
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	10	0.23
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	6	0.23
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD13	12	0.23
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD13	12	0.23
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	5	0.23
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	5	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	1	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB2	4	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	5	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	7	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB2	10	0.23
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB3	13	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB2	4	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	5	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	7	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB2	10	0.23
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB3	13	0.23
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	8	0.23
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	8	0.23
(2,1798)	1:27:B:GLN:HE21	1:22:B:LEU:HA	1	0.23
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	14	0.23
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	1	0.23
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	1	0.23
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	1	0.23
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	11	0.23
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	1	0.23
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	11	0.23
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	6	0.23
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	6	0.23
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	10	0.23
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD11	9	0.23
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	8	0.23
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	5	0.23
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD23	12	0.23
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	2	0.23
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	2	0.23
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG21	9	0.23
(2,627)	1:33:A:LYS:H	1:34:A:GLU:HG2	13	0.23
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	15	0.23
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	14	0.23
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	1	0.23
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	1	0.23
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	12	0.23
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	12	0.23
(1,3172)	1:11:B:ARG:HB2	1:59:A:GLU:HA	9	0.23
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	6	0.23
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	13	0.23
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	9	0.23
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	12	0.23
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	9	0.23
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	7	0.23
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	7	0.23
(1,3041)	1:39:A:HIS:HD2	1:39:A:HIS:HB3	4	0.23
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	1	0.23
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	1	0.23
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	3	0.23
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	3	0.23
(1,3018)	1:32:B:PHE:HD1	1:8:B:LEU:HB2	15	0.23
(1,3017)	1:32:A:PHE:HD1	1:8:A:LEU:HB2	15	0.23
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	10	0.23
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	10	0.23
(1,2844)	1:45:B:ILE:HD12	1:54:B:LEU:HB2	12	0.23
(1,2843)	1:45:A:ILE:HD12	1:54:A:LEU:HB2	12	0.23
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	12	0.23
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	12	0.23
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	10	0.23
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	10	0.23
(1,2724)	1:49:B:GLN:HA	1:52:B:ALA:HB3	8	0.23
(1,2723)	1:49:A:GLN:HA	1:52:A:ALA:HB3	8	0.23
(1,2722)	1:52:B:ALA:HB2	1:53:A:LYS:HE3	6	0.23
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG21	14	0.23
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	2	0.23
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD13	15	0.23
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD13	15	0.23
(1,2620)	1:54:B:LEU:HD11	1:14:B:LEU:HD13	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2619)	1:54:A:LEU:HD11	1:14:A:LEU:HD13	3	0.23
(1,2562)	1:40:B:LEU:HD13	1:36:B:ARG:HB2	3	0.23
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	1	0.23
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	1	0.23
(1,2500)	1:61:B:LEU:HD22	1:64:A:TYR:HB3	11	0.23
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	7	0.23
(1,2434)	1:55:B:LEU:HD21	1:55:B:LEU:HG	9	0.23
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	12	0.23
(1,2434)	1:55:B:LEU:HD21	1:55:B:LEU:HG	13	0.23
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	2	0.23
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	7	0.23
(1,2433)	1:55:A:LEU:HD21	1:55:A:LEU:HG	9	0.23
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	12	0.23
(1,2433)	1:55:A:LEU:HD21	1:55:A:LEU:HG	13	0.23
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	11	0.23
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	11	0.23
(1,2399)	1:8:A:LEU:HD12	1:11:A:ARG:HB3	13	0.23
(1,2393)	1:35:A:LEU:HD23	1:39:A:HIS:H	11	0.23
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD12	3	0.23
(1,2350)	1:60:B:LEU:HD23	1:64:B:TYR:HE1	12	0.23
(1,2349)	1:60:A:LEU:HD23	1:64:A:TYR:HE1	12	0.23
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD11	8	0.23
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	7	0.23
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	7	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	2	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	7	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	8	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD11	9	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD13	10	0.23
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD12	11	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	2	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	7	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	8	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD11	9	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD13	10	0.23
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD12	11	0.23
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	6	0.23
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD22	7	0.23
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	11	0.23
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD22	7	0.23
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	11	0.23
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	3	0.23
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	13	0.23
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	14	0.23
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	1	0.23
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	13	0.23
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	14	0.23
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	3	0.23
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	4	0.23
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	6	0.23
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	10	0.23
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	13	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	1	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	4	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	6	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	10	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	11	0.23
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	13	0.23
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	6	0.23
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD11	14	0.23
(1,1554)	1:33:B:LYS:HE2	1:58:B:ALA:HB3	10	0.23
(1,1553)	1:33:A:LYS:HE2	1:58:A:ALA:HB3	10	0.23
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD2	1	0.23
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	14	0.23
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	14	0.23
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	6	0.23
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	6	0.23
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	3	0.23
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	6	0.23
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	8	0.23
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	9	0.23
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	9	0.23
(1,1256)	1:27:B:GLN:HA	1:6:B:HIS:HA	3	0.23
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	6	0.23
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	5	0.23
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	6	0.23
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	9	0.23
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	1	0.23
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	12	0.23
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	12	0.23
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	1	0.23
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	1	0.23
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	12	0.23
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	7	0.23
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	9	0.23
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	9	0.23
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD13	12	0.23
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	8	0.23
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	8	0.23
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	11	0.23
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	11	0.23
(1,834)	1:8:B:LEU:H	1:29:B:LEU:HG	9	0.23
(1,833)	1:8:A:LEU:H	1:29:A:LEU:HG	9	0.23
(1,766)	1:67:B:GLY:H	1:68:B:CYS:HB3	3	0.23
(1,765)	1:67:A:GLY:H	1:68:A:CYS:HB3	3	0.23
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	2	0.23
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	12	0.23
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	12	0.23
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	8	0.23
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	9	0.23
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	9	0.23
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD12	5	0.23
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD12	5	0.23
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD13	13	0.23
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD12	14	0.23
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD12	14	0.23
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	11	0.23
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	6	0.23
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	11	0.23
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	14	0.23
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	4	0.23
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	14	0.23
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	2	0.23
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	15	0.23
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	2	0.23
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	15	0.23
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	15	0.23
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	8	0.23
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	8	0.23
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	3	0.23
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	15	0.23
(1,44)	1:53:B:LYS:H	1:53:A:LYS:HG3	15	0.23
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	15	0.22
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	6	0.22
(2,4905)	1:61:A:LEU:HD13	1:60:B:LEU:HB3	1	0.22
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	12	0.22
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	8	0.22
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	12	0.22
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	15	0.22
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD2	10	0.22
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	1	0.22
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	10	0.22
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	14	0.22
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	10	0.22
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD21	2	0.22
(2,4826)	1:55:B:LEU:HD22	1:53:A:LYS:HE3	3	0.22
(2,4825)	1:55:A:LEU:HD22	1:53:B:LYS:HE3	3	0.22
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB2	8	0.22
(2,4768)	1:60:B:LEU:HD21	1:57:A:ALA:HB3	13	0.22
(2,4767)	1:60:A:LEU:HD21	1:57:B:ALA:HB3	13	0.22
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB1	14	0.22
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB1	14	0.22
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD13	7	0.22
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD13	8	0.22
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD12	10	0.22
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	6	0.22
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	9	0.22
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	8	0.22
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	9	0.22
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	3	0.22
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	3	0.22
(2,4617)	1:14:A:LEU:HD21	1:50:A:HIS:HD2	5	0.22
(2,4591)	1:14:A:LEU:HB3	1:17:A:HIS:HD2	13	0.22
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	2	0.22
(2,4207)	1:44:A:ASN:HA	1:46:A:MET:HG3	7	0.22
(2,4180)	1:8:B:LEU:HB2	1:5:B:LEU:HA	13	0.22
(2,4179)	1:8:A:LEU:HB2	1:5:A:LEU:HA	13	0.22
(2,4061)	1:57:A:ALA:HB2	1:60:B:LEU:HD23	11	0.22
(2,4017)	1:18:A:THR:HG23	1:6:A:HIS:HD2	8	0.22
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG21	11	0.22
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG21	11	0.22
(2,3941)	1:36:A:ARG:HA	1:55:A:LEU:HD11	11	0.22
(2,3928)	1:55:B:LEU:HD13	1:55:B:LEU:HG	8	0.22
(2,3928)	1:55:B:LEU:HD11	1:55:B:LEU:HG	14	0.22
(2,3927)	1:55:A:LEU:HD13	1:55:A:LEU:HG	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3927)	1:55:A:LEU:HD11	1:55:A:LEU:HG	14	0.22
(2,3868)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	7	0.22
(2,3867)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	7	0.22
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	5	0.22
(2,3862)	1:60:B:LEU:HD11	1:60:B:LEU:HA	13	0.22
(2,3861)	1:60:A:LEU:HD11	1:60:A:LEU:HA	13	0.22
(2,3844)	1:43:B:LEU:HD22	1:26:B:TYR:HD1	3	0.22
(2,3843)	1:43:A:LEU:HD22	1:26:A:TYR:HD1	3	0.22
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD11	3	0.22
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD23	2	0.22
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD23	2	0.22
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	1	0.22
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD22	4	0.22
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD23	5	0.22
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD21	6	0.22
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD22	10	0.22
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	1	0.22
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	4	0.22
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	5	0.22
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	6	0.22
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	10	0.22
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD11	10	0.22
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	10	0.22
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD23	15	0.22
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD12	11	0.22
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD12	5	0.22
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	11	0.22
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	6	0.22
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	13	0.22
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	8	0.22
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	13	0.22
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	13	0.22
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	2	0.22
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	2	0.22
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD11	14	0.22
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD11	14	0.22
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG22	1	0.22
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG22	1	0.22
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD23	12	0.22
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD23	12	0.22
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD12	9	0.22
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD12	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2790)	1:59:B:GLU:H	1:59:B:GLU:HG3	2	0.22
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	7	0.22
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	7	0.22
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	3	0.22
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	3	0.22
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	15	0.22
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD13	10	0.22
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	4	0.22
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	10	0.22
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	4	0.22
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	11	0.22
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	4	0.22
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	4	0.22
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	5	0.22
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	6	0.22
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	11	0.22
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	5	0.22
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	6	0.22
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	11	0.22
(2,2524)	1:24:B:ASN:HB3	1:43:B:LEU:HG	12	0.22
(2,2523)	1:24:A:ASN:HB3	1:43:A:LEU:HG	12	0.22
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	1	0.22
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	1	0.22
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG23	5	0.22
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	11	0.22
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	2	0.22
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	2	0.22
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	3	0.22
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	3	0.22
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	11	0.22
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	11	0.22
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	11	0.22
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	8	0.22
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	8	0.22
(2,1797)	1:27:A:GLN:HE21	1:22:A:LEU:HA	1	0.22
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD2	2	0.22
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD1	4	0.22
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD2	2	0.22
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD1	4	0.22
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	4	0.22
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	4	0.22
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	5	0.22
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD22	13	0.22
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD22	13	0.22
(2,1598)	1:37:B:GLU:HA	1:55:B:LEU:HG	15	0.22
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	15	0.22
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	15	0.22
(2,1475)	1:20:A:THR:HA	1:23:A:LEU:HD12	6	0.22
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD12	7	0.22
(2,1235)	1:27:A:GLN:HE22	1:22:A:LEU:HB3	15	0.22
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	8	0.22
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	8	0.22
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD21	5	0.22
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD21	5	0.22
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG21	9	0.22
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	6	0.22
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	6	0.22
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	11	0.22
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	9	0.22
(2,628)	1:33:B:LYS:H	1:34:B:GLU:HG2	13	0.22
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD12	5	0.22
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	1	0.22
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	6	0.22
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	9	0.22
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	1	0.22
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	6	0.22
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	9	0.22
(2,39)	1:52:A:ALA:H	1:53:B:LYS:HE3	5	0.22
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB1	6	0.22
(1,3171)	1:11:A:ARG:HB2	1:59:B:GLU:HA	9	0.22
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	4	0.22
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	4	0.22
(1,3133)	1:55:A:LEU:HD23	1:53:B:LYS:HD2	8	0.22
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	4	0.22
(1,3108)	1:53:B:LYS:HE2	1:56:A:THR:HB	13	0.22
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	11	0.22
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	13	0.22
(1,3082)	1:60:B:LEU:HD12	1:11:A:ARG:HB3	7	0.22
(1,3081)	1:60:A:LEU:HD12	1:11:B:ARG:HB3	7	0.22
(1,3076)	1:12:B:ILE:HG21	1:59:A:GLU:HB2	9	0.22
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	7	0.22
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	7	0.22
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	12	0.22
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	13	0.22
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	2	0.22
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	14	0.22
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	2	0.22
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	14	0.22
(1,2866)	1:7:B:GLU:HG3	1:3:B:LYS:HA	13	0.22
(1,2865)	1:7:A:GLU:HG3	1:3:A:LYS:HA	13	0.22
(1,2854)	1:45:B:ILE:HD12	1:47:B:ASP:HB2	14	0.22
(1,2853)	1:45:A:ILE:HD12	1:47:A:ASP:HB2	14	0.22
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD13	13	0.22
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD13	13	0.22
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB3	14	0.22
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB3	14	0.22
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB1	8	0.22
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB1	11	0.22
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	13	0.22
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB1	8	0.22
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB1	11	0.22
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	13	0.22
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB2	5	0.22
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB2	5	0.22
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	2	0.22
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	3	0.22
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	3	0.22
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	15	0.22
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	15	0.22
(1,2561)	1:40:A:LEU:HD13	1:36:A:ARG:HB2	3	0.22
(1,2545)	1:5:A:LEU:HD23	1:31:A:ASP:H	10	0.22
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	4	0.22
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	4	0.22
(1,2442)	1:39:B:HIS:HB3	1:43:B:LEU:HD12	14	0.22
(1,2441)	1:39:A:HIS:HB3	1:43:A:LEU:HD12	14	0.22
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	5	0.22
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	5	0.22
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	6	0.22
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	2	0.22
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	3	0.22
(1,2434)	1:55:B:LEU:HD21	1:55:B:LEU:HG	5	0.22
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	3	0.22
(1,2433)	1:55:A:LEU:HD21	1:55:A:LEU:HG	5	0.22
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	8	0.22
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	12	0.22
(1,2400)	1:8:B:LEU:HD12	1:11:B:ARG:HB3	13	0.22
(1,2365)	1:12:A:ILE:HB	1:14:A:LEU:HG	9	0.22
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	11	0.22
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	10	0.22
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	11	0.22
(1,2321)	1:35:A:LEU:HG	1:43:A:LEU:HG	10	0.22
(1,2316)	1:9:B:LEU:HD23	1:5:B:LEU:HA	14	0.22
(1,2315)	1:9:A:LEU:HD23	1:5:A:LEU:HA	14	0.22
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	3	0.22
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	13	0.22
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	3	0.22
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	13	0.22
(1,2260)	1:54:B:LEU:HG	1:54:B:LEU:HD12	15	0.22
(1,2259)	1:54:A:LEU:HG	1:54:A:LEU:HD12	15	0.22
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	6	0.22
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD22	3	0.22
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD22	3	0.22
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	5	0.22
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	5	0.22
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	9	0.22
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	9	0.22
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	8	0.22
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	8	0.22
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	1	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	1	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	2	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	3	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	5	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	7	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	8	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	9	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	11	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	14	0.22
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	15	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	3	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	5	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	7	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	8	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	9	0.22
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	15	0.22
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	6	0.22
(1,1862)	1:60:B:LEU:H	1:59:B:GLU:HG2	9	0.22
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	9	0.22
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD11	14	0.22
(1,1732)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	2	0.22
(1,1731)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	2	0.22
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	3	0.22
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	3	0.22
(1,1637)	1:63:A:ASP:HB2	1:60:A:LEU:HD11	13	0.22
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	5	0.22
(1,1514)	1:53:B:LYS:HE2	1:12:B:ILE:HD11	7	0.22
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	5	0.22
(1,1513)	1:53:A:LYS:HE2	1:12:A:ILE:HD11	7	0.22
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	10	0.22
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	6	0.22
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	10	0.22
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB3	8	0.22
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB3	8	0.22
(1,1358)	1:2:B:PRO:HD2	1:8:B:LEU:HB3	5	0.22
(1,1303)	1:63:A:ASP:HA	1:66:B:THR:HG21	15	0.22
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	9	0.22
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	9	0.22
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	6	0.22
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	8	0.22
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	13	0.22
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	6	0.22
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	8	0.22
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	13	0.22
(1,1184)	1:69:B:GLU:HA	1:69:B:GLU:HG2	4	0.22
(1,1183)	1:69:A:GLU:HA	1:69:A:GLU:HG2	4	0.22
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	7	0.22
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	7	0.22
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	4	0.22
(1,1104)	1:39:B:HIS:HA	1:36:B:ARG:HB3	9	0.22
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	14	0.22
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	6	0.22
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	9	0.22
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	14	0.22
(1,1024)	1:53:B:LYS:HA	1:12:B:ILE:HA	11	0.22
(1,1023)	1:53:A:LYS:HA	1:12:A:ILE:HA	11	0.22
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	8	0.22
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	5	0.22
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG23	11	0.22
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	5	0.22
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG23	11	0.22
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	3	0.22
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	3	0.22
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	13	0.22
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	13	0.22
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	1	0.22
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	3	0.22
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	13	0.22
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	1	0.22
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	3	0.22
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	4	0.22
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD11	10	0.22
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	4	0.22
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD11	10	0.22
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	6	0.22
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	7	0.22
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	13	0.22
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	6	0.22
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	13	0.22
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD13	13	0.22
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	4	0.22
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD22	5	0.22
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	11	0.22
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	6	0.22
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	11	0.22
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	11	0.22
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD12	7	0.22
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD13	13	0.22
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD12	7	0.22
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD2	13	0.22
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD2	13	0.22
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	15	0.22
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB3	2	0.22
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB3	2	0.22
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	8	0.22
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	2	0.22
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	3	0.22
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	11	0.22
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	10	0.22
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	11	0.22
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	15	0.22
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	4	0.21
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD13	5	0.21
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD13	5	0.21
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	5	0.21
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	7	0.21
(2,4831)	1:62:A:LEU:HD21	1:11:B:ARG:HA	8	0.21
(2,4768)	1:60:B:LEU:HD21	1:57:A:ALA:HB1	5	0.21
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB3	12	0.21
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB2	8	0.21
(2,4727)	1:52:A:ALA:HB3	1:49:B:GLN:HA	5	0.21
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD12	5	0.21
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	6	0.21
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	1	0.21
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	8	0.21
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	1	0.21
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	13	0.21
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	12	0.21
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	12	0.21
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD12	1	0.21
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD12	1	0.21
(2,4383)	1:5:A:LEU:HD21	1:32:A:PHE:HE2	8	0.21
(2,4208)	1:44:B:ASN:HA	1:46:B:MET:HG3	7	0.21
(2,4186)	1:22:B:LEU:HD12	1:21:B:LEU:HB2	3	0.21
(2,4186)	1:22:B:LEU:HD11	1:21:B:LEU:HB2	13	0.21
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	4	0.21
(2,4162)	1:12:B:ILE:HD12	1:11:B:ARG:H	15	0.21
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	4	0.21
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	12	0.21
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	12	0.21
(2,4124)	1:45:B:ILE:HG21	1:51:B:ARG:HA	8	0.21
(2,4123)	1:45:A:ILE:HG21	1:51:A:ARG:HA	8	0.21
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	14	0.21
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	14	0.21
(2,4042)	1:35:B:LEU:HD12	1:58:B:ALA:HB1	6	0.21
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG22	11	0.21
(2,4033)	1:41:A:ASN:HB2	1:38:A:THR:HG21	4	0.21
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	10	0.21
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3971)	1:9:A:LEU:HD12	1:32:A:PHE:HZ	11	0.21
(2,3930)	1:37:B:GLU:HB2	1:55:B:LEU:HD11	12	0.21
(2,3929)	1:37:A:GLU:HB2	1:55:A:LEU:HD11	12	0.21
(2,3880)	1:17:B:HIS:HB3	1:20:B:THR:HG23	13	0.21
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE2	11	0.21
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE2	11	0.21
(2,3863)	1:60:A:LEU:HD13	1:12:B:ILE:HA	3	0.21
(2,3826)	1:40:B:LEU:HD13	1:36:B:ARG:HA	6	0.21
(2,3825)	1:40:A:LEU:HD13	1:36:A:ARG:HA	6	0.21
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	1	0.21
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD22	1	0.21
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD22	2	0.21
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD23	3	0.21
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD22	14	0.21
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	2	0.21
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	3	0.21
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	14	0.21
(2,3580)	1:29:B:LEU:HD11	1:64:A:TYR:HD1	6	0.21
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	10	0.21
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD23	15	0.21
(2,3552)	1:8:B:LEU:HD12	1:8:B:LEU:HA	6	0.21
(2,3552)	1:8:B:LEU:HD13	1:8:B:LEU:HA	15	0.21
(2,3551)	1:8:A:LEU:HD12	1:8:A:LEU:HA	6	0.21
(2,3551)	1:8:A:LEU:HD13	1:8:A:LEU:HA	15	0.21
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	11	0.21
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	13	0.21
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD11	15	0.21
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD11	15	0.21
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	7	0.21
(2,3382)	1:54:B:LEU:HD12	1:55:B:LEU:H	11	0.21
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	7	0.21
(2,3381)	1:54:A:LEU:HD12	1:55:A:LEU:H	11	0.21
(2,3291)	1:48:A:PRO:HG2	1:49:B:GLN:HE22	7	0.21
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	9	0.21
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	9	0.21
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	10	0.21
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	10	0.21
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD23	7	0.21
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD23	7	0.21
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	3	0.21
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	10	0.21
(2,2790)	1:59:B:GLU:H	1:59:B:GLU:HG3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2789)	1:59:A:GLU:H	1:59:A:GLU:HG3	2	0.21
(2,2789)	1:59:A:GLU:H	1:59:A:GLU:HG3	13	0.21
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	6	0.21
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	14	0.21
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	6	0.21
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	14	0.21
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	4	0.21
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD13	10	0.21
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	1	0.21
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	4	0.21
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	7	0.21
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	8	0.21
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	1	0.21
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	4	0.21
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	8	0.21
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG21	1	0.21
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	2	0.21
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	2	0.21
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	1	0.21
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	2	0.21
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	1	0.21
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD13	9	0.21
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	5	0.21
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	5	0.21
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	10	0.21
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	10	0.21
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	11	0.21
(2,2028)	1:63:B:ASP:HA	1:65:B:ASP:H	8	0.21
(2,2027)	1:63:A:ASP:HA	1:65:A:ASP:H	8	0.21
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	10	0.21
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	14	0.21
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD12	6	0.21
(2,1597)	1:37:A:GLU:HA	1:55:A:LEU:HG	15	0.21
(2,1530)	1:2:B:PRO:HA	1:2:B:PRO:HB2	9	0.21
(2,1529)	1:2:A:PRO:HA	1:2:A:PRO:HB2	9	0.21
(2,1476)	1:20:B:THR:HA	1:23:B:LEU:HD12	6	0.21
(2,1314)	1:26:B:TYR:H	1:21:B:LEU:HA	12	0.21
(2,1313)	1:26:A:TYR:H	1:21:A:LEU:HA	12	0.21
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD12	7	0.21
(2,1236)	1:27:B:GLN:HE22	1:22:B:LEU:HB3	15	0.21
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	3	0.21
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	12	0.21
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD21	2	0.21
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD21	2	0.21
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	10	0.21
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	10	0.21
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	14	0.21
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	14	0.21
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	7	0.21
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	7	0.21
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	9	0.21
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	15	0.21
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	11	0.21
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	15	0.21
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	6	0.21
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	6	0.21
(2,625)	1:33:A:LYS:H	1:34:A:GLU:HG3	9	0.21
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD12	5	0.21
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	12	0.21
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	12	0.21
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	8	0.21
(2,40)	1:52:B:ALA:H	1:53:A:LYS:HE3	5	0.21
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HG2	7	0.21
(1,3107)	1:53:A:LYS:HE2	1:56:B:THR:HB	4	0.21
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	4	0.21
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	7	0.21
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	8	0.21
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	8	0.21
(1,3075)	1:12:A:ILE:HG21	1:59:B:GLU:HB2	9	0.21
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD22	8	0.21
(1,3035)	1:49:A:GLN:H	1:50:A:HIS:HD2	4	0.21
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	2	0.21
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	2	0.21
(1,2970)	1:9:B:LEU:HD12	1:16:B:GLU:HB3	10	0.21
(1,2969)	1:9:A:LEU:HD12	1:16:A:GLU:HB3	10	0.21
(1,2938)	1:8:B:LEU:H	1:2:B:PRO:HD2	14	0.21
(1,2934)	1:14:B:LEU:HD12	1:16:B:GLU:HA	4	0.21
(1,2933)	1:14:A:LEU:HD12	1:16:A:GLU:HA	4	0.21
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG21	11	0.21
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG21	15	0.21
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG21	11	0.21
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG21	15	0.21
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD12	2	0.21
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB2	9	0.21
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB2	9	0.21
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	12	0.21
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	12	0.21
(1,2722)	1:52:B:ALA:HB1	1:53:A:LYS:HE3	14	0.21
(1,2721)	1:52:A:ALA:HB1	1:53:B:LYS:HE3	14	0.21
(1,2719)	1:52:A:ALA:HB2	1:12:B:ILE:HB	15	0.21
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG23	5	0.21
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	13	0.21
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG23	5	0.21
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	14	0.21
(1,2658)	1:9:B:LEU:HD11	1:21:B:LEU:HB2	9	0.21
(1,2657)	1:9:A:LEU:HD11	1:21:A:LEU:HB2	9	0.21
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD11	8	0.21
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD11	8	0.21
(1,2546)	1:5:B:LEU:HD23	1:31:B:ASP:H	10	0.21
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD21	3	0.21
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD21	3	0.21
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD21	11	0.21
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	10	0.21
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	10	0.21
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	6	0.21
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	1	0.21
(1,2434)	1:55:B:LEU:HD21	1:55:B:LEU:HG	6	0.21
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	10	0.21
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	14	0.21
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	1	0.21
(1,2433)	1:55:A:LEU:HD21	1:55:A:LEU:HG	6	0.21
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	10	0.21
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	14	0.21
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	1	0.21
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD11	7	0.21
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD13	8	0.21
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD13	1	0.21
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD11	7	0.21
(1,2366)	1:12:B:ILE:HB	1:14:B:LEU:HG	9	0.21
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	10	0.21
(1,2322)	1:35:B:LEU:HG	1:43:B:LEU:HG	10	0.21
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	12	0.21
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	12	0.21
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	8	0.21
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	7	0.21
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	4	0.21
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	10	0.21
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	8	0.21
(1,2006)	1:36:B:ARG:HD3	1:39:B:HIS:HB2	12	0.21
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	8	0.21
(1,2005)	1:36:A:ARG:HD3	1:39:A:HIS:HB2	12	0.21
(1,1926)	1:48:B:PRO:HB3	1:48:B:PRO:HG2	12	0.21
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	2	0.21
(1,1925)	1:48:A:PRO:HB3	1:48:A:PRO:HG2	12	0.21
(1,1879)	1:22:A:LEU:H	1:27:A:GLN:HG2	5	0.21
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	4	0.21
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	14	0.21
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	4	0.21
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	14	0.21
(1,1861)	1:60:A:LEU:H	1:59:A:GLU:HG2	9	0.21
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	9	0.21
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD22	10	0.21
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD22	10	0.21
(1,1666)	1:55:B:LEU:HB3	1:37:B:GLU:HG3	14	0.21
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	14	0.21
(1,1638)	1:63:B:ASP:HB2	1:60:B:LEU:HD11	13	0.21
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	12	0.21
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	12	0.21
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD12	11	0.21
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	3	0.21
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	7	0.21
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	3	0.21
(1,1454)	1:11:B:ARG:HD2	1:11:B:ARG:HB3	15	0.21
(1,1453)	1:11:A:ARG:HD2	1:11:A:ARG:HB3	15	0.21
(1,1357)	1:2:A:PRO:HD2	1:8:A:LEU:HB3	5	0.21
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	5	0.21
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	2	0.21
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	2	0.21
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	2	0.21
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	4	0.21
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	6	0.21
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	7	0.21
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	14	0.21
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	2	0.21
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	6	0.21
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	7	0.21
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	14	0.21
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	9	0.21
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	9	0.21
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	3	0.21
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	9	0.21
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	3	0.21
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	9	0.21
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	12	0.21
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	4	0.21
(1,1103)	1:39:A:HIS:HA	1:36:A:ARG:HB3	9	0.21
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	1	0.21
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	6	0.21
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	7	0.21
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	6	0.21
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	7	0.21
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	11	0.21
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD11	2	0.21
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD11	7	0.21
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	9	0.21
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD11	2	0.21
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD11	7	0.21
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	9	0.21
(1,942)	1:38:B:THR:HA	1:36:B:ARG:HB3	3	0.21
(1,914)	1:38:B:THR:HB	1:41:B:ASN:HB2	9	0.21
(1,913)	1:38:A:THR:HB	1:41:A:ASN:HB2	9	0.21
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	10	0.21
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	10	0.21
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	14	0.21
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	7	0.21
(1,868)	1:67:B:GLY:H	1:66:B:THR:HB	15	0.21
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	7	0.21
(1,867)	1:67:A:GLY:H	1:66:A:THR:HB	15	0.21
(1,776)	1:67:B:GLY:H	1:64:A:TYR:HE2	5	0.21
(1,775)	1:67:A:GLY:H	1:64:B:TYR:HE2	5	0.21
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	3	0.21
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	11	0.21
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	3	0.21
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	11	0.21
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	13	0.21
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD11	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD11	14	0.21
(1,688)	1:61:B:LEU:H	1:64:B:TYR:HB3	14	0.21
(1,687)	1:61:A:LEU:H	1:64:A:TYR:HB3	14	0.21
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	11	0.21
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	7	0.21
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	5	0.21
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	9	0.21
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	1	0.21
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	5	0.21
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	9	0.21
(1,502)	1:44:B:ASN:H	1:42:B:GLU:HB2	1	0.21
(1,501)	1:44:A:ASN:H	1:42:A:GLU:HB2	1	0.21
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	4	0.21
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD22	5	0.21
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	11	0.21
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	12	0.21
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	3	0.21
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	12	0.21
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	1	0.21
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	1	0.21
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD13	13	0.21
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	3	0.21
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	10	0.21
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	9	0.21
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	9	0.21
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	7	0.21
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	2	0.21
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	8	0.2
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	9	0.2
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	4	0.2
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	5	0.2
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	8	0.2
(2,4877)	1:60:A:LEU:HB3	1:57:B:ALA:HA	9	0.2
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	14	0.2
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	11	0.2
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG22	14	0.2
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG22	14	0.2
(2,4772)	1:61:B:LEU:HD12	1:64:A:TYR:HD1	7	0.2
(2,4771)	1:61:A:LEU:HD12	1:64:B:TYR:HD1	7	0.2
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB2	8	0.2
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB3	12	0.2
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD13	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	14	0.2
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	14	0.2
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD1	9	0.2
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	5	0.2
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	5	0.2
(2,4562)	1:64:B:TYR:H	1:64:B:TYR:HE2	8	0.2
(2,4561)	1:64:A:TYR:H	1:64:A:TYR:HE2	8	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	1	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	3	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	4	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	6	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	7	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	8	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	9	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	10	0.2
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	11	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	12	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	14	0.2
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	15	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	1	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	3	0.2
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	4	0.2
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	5	0.2
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	6	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	7	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	9	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	10	0.2
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	11	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	12	0.2
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	15	0.2
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	2	0.2
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	2	0.2
(2,4418)	1:8:B:LEU:HD13	1:32:B:PHE:HD2	6	0.2
(2,4417)	1:8:A:LEU:HD13	1:32:A:PHE:HD2	6	0.2
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	4	0.2
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	4	0.2
(2,4384)	1:5:B:LEU:HD21	1:32:B:PHE:HE2	8	0.2
(2,4339)	1:23:A:LEU:H	1:20:A:THR:HA	11	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	1	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	3	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	4	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	6	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	7	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	10	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	11	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	12	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	14	0.2
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	15	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	1	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	3	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	4	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	5	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	6	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	7	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	10	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	11	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	12	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	14	0.2
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	15	0.2
(2,4185)	1:22:A:LEU:HD12	1:21:A:LEU:HB2	3	0.2
(2,4185)	1:22:A:LEU:HD11	1:21:A:LEU:HB2	13	0.2
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	5	0.2
(2,4162)	1:12:B:ILE:HD12	1:11:B:ARG:H	8	0.2
(2,4161)	1:12:A:ILE:HD12	1:11:A:ARG:H	8	0.2
(2,4161)	1:12:A:ILE:HD12	1:11:A:ARG:H	15	0.2
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD12	2	0.2
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD12	2	0.2
(2,4124)	1:45:B:ILE:HG23	1:51:B:ARG:HA	4	0.2
(2,4123)	1:45:A:ILE:HG23	1:51:A:ARG:HA	4	0.2
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG23	2	0.2
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG23	2	0.2
(2,4061)	1:57:A:ALA:HB3	1:60:B:LEU:HD23	10	0.2
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	10	0.2
(2,4044)	1:58:B:ALA:HB3	1:8:B:LEU:HD13	13	0.2
(2,4043)	1:58:A:ALA:HB3	1:8:A:LEU:HD13	13	0.2
(2,4041)	1:35:A:LEU:HD12	1:58:A:ALA:HB1	6	0.2
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG22	11	0.2
(2,4034)	1:41:B:ASN:HB2	1:38:B:THR:HG21	4	0.2
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	9	0.2
(2,3972)	1:9:B:LEU:HD12	1:32:B:PHE:HZ	11	0.2
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	2	0.2
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	2	0.2
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD11	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3920)	1:14:B:LEU:H	1:14:B:LEU:HD13	13	0.2
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD11	6	0.2
(2,3919)	1:14:A:LEU:H	1:14:A:LEU:HD13	13	0.2
(2,3908)	1:13:B:GLY:HA3	1:14:B:LEU:HD11	8	0.2
(2,3907)	1:13:A:GLY:HA3	1:14:A:LEU:HD11	8	0.2
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	7	0.2
(2,3879)	1:17:A:HIS:HB3	1:20:A:THR:HG23	13	0.2
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE2	8	0.2
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE2	8	0.2
(2,3863)	1:60:A:LEU:HD13	1:12:B:ILE:HA	5	0.2
(2,3798)	1:26:B:TYR:HB3	1:21:B:LEU:HD13	14	0.2
(2,3797)	1:26:A:TYR:HB3	1:21:A:LEU:HD13	14	0.2
(2,3780)	1:35:B:LEU:HD23	1:21:B:LEU:HD12	5	0.2
(2,3779)	1:35:A:LEU:HD23	1:21:A:LEU:HD12	5	0.2
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD22	7	0.2
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD21	8	0.2
(2,3748)	1:5:B:LEU:HD12	1:5:B:LEU:HD22	9	0.2
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD21	11	0.2
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD22	12	0.2
(2,3748)	1:5:B:LEU:HD11	1:5:B:LEU:HD22	13	0.2
(2,3748)	1:5:B:LEU:HD13	1:5:B:LEU:HD21	15	0.2
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	7	0.2
(2,3747)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	9	0.2
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	11	0.2
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	12	0.2
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	13	0.2
(2,3747)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	15	0.2
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD13	14	0.2
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD13	14	0.2
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD11	14	0.2
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD12	15	0.2
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD12	15	0.2
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	12	0.2
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	12	0.2
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	12	0.2
(2,3382)	1:54:B:LEU:HD12	1:55:B:LEU:H	15	0.2
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	12	0.2
(2,3381)	1:54:A:LEU:HD12	1:55:A:LEU:H	15	0.2
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	5	0.2
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	12	0.2
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	5	0.2
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	5	0.2
(2,3084)	1:69:B:GLU:HB2	1:66:A:THR:HG23	8	0.2
(2,3083)	1:69:A:GLU:HB2	1:66:B:THR:HG23	8	0.2
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	2	0.2
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	6	0.2
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	3	0.2
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	6	0.2
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	7	0.2
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	10	0.2
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD11	10	0.2
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	4	0.2
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	12	0.2
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	15	0.2
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	3	0.2
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	4	0.2
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	12	0.2
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	15	0.2
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	4	0.2
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	6	0.2
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	9	0.2
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	9	0.2
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	6	0.2
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	10	0.2
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	6	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	2	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	3	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	9	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	10	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	12	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	13	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	14	0.2
(2,2548)	1:24:B:ASN:HD22	1:24:B:ASN:HB2	15	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	3	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	7	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	9	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	10	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	12	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	13	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	14	0.2
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	15	0.2
(2,2528)	1:21:B:LEU:HA	1:24:B:ASN:HB3	6	0.2
(2,2527)	1:21:A:LEU:HA	1:24:A:ASN:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	6	0.2
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	6	0.2
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG21	1	0.2
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	6	0.2
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	7	0.2
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	6	0.2
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	7	0.2
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	2	0.2
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD13	9	0.2
(2,2288)	1:61:B:LEU:HB2	1:33:B:LYS:HE3	13	0.2
(2,2287)	1:61:A:LEU:HB2	1:33:A:LYS:HE3	13	0.2
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	14	0.2
(2,2053)	1:44:A:ASN:HD21	1:44:A:ASN:HA	5	0.2
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	12	0.2
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	12	0.2
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	12	0.2
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	10	0.2
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	12	0.2
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	5	0.2
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	6	0.2
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	8	0.2
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	14	0.2
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	5	0.2
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	6	0.2
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	14	0.2
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD12	6	0.2
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	1	0.2
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	1	0.2
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	3	0.2
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	3	0.2
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	13	0.2
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	13	0.2
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD21	2	0.2
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD21	2	0.2
(2,1242)	1:27:B:GLN:HE22	1:22:B:LEU:HA	3	0.2
(2,1241)	1:27:A:GLN:HE22	1:22:A:LEU:HA	3	0.2
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	7	0.2
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	12	0.2
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	13	0.2
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	7	0.2
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	13	0.2
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD13	10	0.2
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	8	0.2
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD13	10	0.2
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	2	0.2
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	2	0.2
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	13	0.2
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	2	0.2
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	3	0.2
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	5	0.2
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	3	0.2
(2,94)	1:60:B:LEU:H	1:8:A:LEU:HD11	14	0.2
(2,93)	1:60:A:LEU:H	1:8:B:LEU:HD11	14	0.2
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	7	0.2
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	8	0.2
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	7	0.2
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	8	0.2
(2,42)	1:52:B:ALA:H	1:49:A:GLN:HA	5	0.2
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	8	0.2
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	2	0.2
(1,3136)	1:55:B:LEU:HD21	1:49:A:GLN:HB3	5	0.2
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HG2	7	0.2
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	2	0.2
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	2	0.2
(1,3079)	1:56:A:THR:HG22	1:57:B:ALA:HA	3	0.2
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	4	0.2
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	14	0.2
(1,3079)	1:56:A:THR:HG22	1:57:B:ALA:HA	15	0.2
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	4	0.2
(1,3060)	1:17:B:HIS:HE1	1:20:B:THR:HB	15	0.2
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	4	0.2
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	13	0.2
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	13	0.2
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	8	0.2
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	8	0.2
(1,2937)	1:8:A:LEU:H	1:2:A:PRO:HD2	14	0.2
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	1	0.2
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	8	0.2
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	12	0.2
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	1	0.2
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	8	0.2
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	12	0.2
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD12	2	0.2
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD13	6	0.2
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD13	6	0.2
(1,2788)	1:41:B:ASN:HD22	1:46:B:MET:HE2	2	0.2
(1,2787)	1:41:A:ASN:HD22	1:46:A:MET:HE2	2	0.2
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	3	0.2
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	1	0.2
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	3	0.2
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB3	9	0.2
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB1	14	0.2
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB3	9	0.2
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB1	14	0.2
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	11	0.2
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	14	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	7	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	9	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	11	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	12	0.2
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	13	0.2
(1,2654)	1:9:B:LEU:HD11	1:12:B:ILE:HD12	4	0.2
(1,2653)	1:9:A:LEU:HD11	1:12:A:ILE:HD12	4	0.2
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD12	11	0.2
(1,2602)	1:60:B:LEU:HD11	1:57:A:ALA:HA	10	0.2
(1,2601)	1:60:A:LEU:HD11	1:57:B:ALA:HA	10	0.2
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD23	14	0.2
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD21	11	0.2
(1,2524)	1:27:B:GLN:HE21	1:22:B:LEU:HD11	10	0.2
(1,2523)	1:27:A:GLN:HE21	1:22:A:LEU:HD11	10	0.2
(1,2499)	1:61:A:LEU:HD22	1:64:B:TYR:HB3	11	0.2
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD11	15	0.2
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD11	15	0.2
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	4	0.2
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	4	0.2
(1,2376)	1:35:B:LEU:HD23	1:21:B:LEU:HD13	9	0.2
(1,2375)	1:35:A:LEU:HD23	1:21:A:LEU:HD13	9	0.2
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	12	0.2
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	12	0.2
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	5	0.2
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	6	0.2
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	5	0.2
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	6	0.2
(1,2256)	1:54:B:LEU:HD11	1:45:B:ILE:HB	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	5	0.2
(1,2255)	1:54:A:LEU:HD11	1:45:A:ILE:HB	8	0.2
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	1	0.2
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD22	10	0.2
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD22	10	0.2
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	4	0.2
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	12	0.2
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	12	0.2
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	10	0.2
(1,1938)	1:2:B:PRO:HB2	1:60:A:LEU:HA	5	0.2
(1,1937)	1:2:A:PRO:HB2	1:60:B:LEU:HA	5	0.2
(1,1880)	1:22:B:LEU:H	1:27:B:GLN:HG2	5	0.2
(1,1862)	1:60:B:LEU:H	1:59:B:GLU:HG2	2	0.2
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	7	0.2
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	13	0.2
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	13	0.2
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD13	2	0.2
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	2	0.2
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	2	0.2
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD12	11	0.2
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	7	0.2
(1,1440)	1:36:B:ARG:HD3	1:34:B:GLU:H	8	0.2
(1,1439)	1:36:A:ARG:HD3	1:34:A:GLU:H	8	0.2
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	8	0.2
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	11	0.2
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	11	0.2
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	13	0.2
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	13	0.2
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD21	1	0.2
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD21	1	0.2
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	5	0.2
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	8	0.2
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	12	0.2
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	12	0.2
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	1	0.2
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	5	0.2
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	1	0.2
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	5	0.2
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	1	0.2
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	5	0.2
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	5	0.2
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	7	0.2
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	12	0.2
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	4	0.2
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	4	0.2
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	2	0.2
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	11	0.2
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	12	0.2
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	13	0.2
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	2	0.2
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	12	0.2
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	13	0.2
(1,986)	1:19:B:SER:HB3	1:22:B:LEU:HB3	10	0.2
(1,985)	1:19:A:SER:HB3	1:22:A:LEU:HB3	10	0.2
(1,941)	1:38:A:THR:HA	1:36:A:ARG:HB3	3	0.2
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG21	12	0.2
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG21	12	0.2
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	14	0.2
(1,796)	1:68:B:CYS:H	1:69:B:GLU:H	15	0.2
(1,795)	1:68:A:CYS:H	1:69:A:GLU:H	15	0.2
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	6	0.2
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	6	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD12	3	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	11	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	12	0.2
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	14	0.2
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD12	3	0.2
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	12	0.2
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	14	0.2
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	9	0.2
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	4	0.2
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	9	0.2
(1,539)	1:50:A:HIS:H	1:52:B:ALA:HB2	12	0.2
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	1	0.2
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD11	4	0.2
(1,475)	1:41:A:ASN:H	1:42:A:GLU:HB2	14	0.2
(1,352)	1:30:B:GLU:H	1:31:B:ASP:HB3	12	0.2
(1,351)	1:30:A:GLU:H	1:31:A:ASP:HB3	12	0.2
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	3	0.2
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	7	0.2
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	1	0.2
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	3	0.2
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	8	0.2
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	11	0.2
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	11	0.2
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	11	0.2
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	11	0.2
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB2	14	0.2
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	11	0.2
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB2	14	0.2
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	10	0.2
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	3	0.2
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	5	0.2
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	7	0.2
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	9	0.19
(2,4878)	1:60:B:LEU:HB3	1:57:A:ALA:HA	4	0.19
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	6	0.19
(2,4866)	1:53:B:LYS:HG2	1:53:A:LYS:H	15	0.19
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD2	13	0.19
(2,4767)	1:60:A:LEU:HD21	1:57:B:ALA:HB1	5	0.19
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	8	0.19
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD1	9	0.19
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	13	0.19
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	13	0.19
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	14	0.19
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	14	0.19
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	13	0.19
(2,4558)	1:64:B:TYR:HD1	1:64:B:TYR:HE1	2	0.19
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	5	0.19
(2,4558)	1:64:B:TYR:HD2	1:64:B:TYR:HE2	13	0.19
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	2	0.19
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	8	0.19
(2,4557)	1:64:A:TYR:HD2	1:64:A:TYR:HE2	13	0.19
(2,4557)	1:64:A:TYR:HD1	1:64:A:TYR:HE1	14	0.19
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD2	8	0.19
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	13	0.19
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD2	8	0.19
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	13	0.19
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	5	0.19
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	15	0.19
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	15	0.19
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	10	0.19
(2,4340)	1:23:B:LEU:H	1:20:B:THR:HA	11	0.19
(2,4335)	1:24:A:ASN:H	1:20:A:THR:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	8	0.19
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	8	0.19
(2,4186)	1:22:B:LEU:HD11	1:21:B:LEU:HB2	6	0.19
(2,4185)	1:22:A:LEU:HD11	1:21:A:LEU:HB2	6	0.19
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	5	0.19
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	4	0.19
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	4	0.19
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG21	12	0.19
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	15	0.19
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	9	0.19
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	15	0.19
(2,4062)	1:57:B:ALA:HB3	1:60:A:LEU:HD23	10	0.19
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	3	0.19
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	5	0.19
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	3	0.19
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	5	0.19
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	10	0.19
(2,4044)	1:58:B:ALA:HB3	1:8:B:LEU:HD13	8	0.19
(2,4043)	1:58:A:ALA:HB3	1:8:A:LEU:HD13	8	0.19
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	4	0.19
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	4	0.19
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG22	9	0.19
(2,4004)	1:9:B:LEU:HD23	1:18:B:THR:HG22	14	0.19
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG23	14	0.19
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG22	13	0.19
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG23	14	0.19
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	7	0.19
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG22	8	0.19
(2,3868)	1:60:B:LEU:HD13	1:64:B:TYR:HD2	8	0.19
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	9	0.19
(2,3867)	1:60:A:LEU:HD13	1:64:A:TYR:HD2	8	0.19
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	9	0.19
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	1	0.19
(2,3747)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	8	0.19
(2,3674)	1:35:B:LEU:HD11	1:55:B:LEU:HD12	14	0.19
(2,3673)	1:35:A:LEU:HD11	1:55:A:LEU:HD12	14	0.19
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD12	14	0.19
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD12	14	0.19
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	12	0.19
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	12	0.19
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD11	14	0.19
(2,3441)	1:17:A:HIS:HB2	1:21:A:LEU:HD21	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	6	0.19
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	6	0.19
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	3	0.19
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	14	0.19
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	3	0.19
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	12	0.19
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	14	0.19
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	15	0.19
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	15	0.19
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	7	0.19
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	7	0.19
(2,3085)	1:33:A:LYS:HD2	1:62:A:LEU:HD13	15	0.19
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD21	13	0.19
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD21	13	0.19
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	7	0.19
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	2	0.19
(2,2906)	1:33:B:LYS:HB3	1:62:B:LEU:HD11	12	0.19
(2,2905)	1:33:A:LYS:HB3	1:62:A:LEU:HD11	12	0.19
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD11	10	0.19
(2,2816)	1:27:B:GLN:HG3	1:22:B:LEU:HD13	11	0.19
(2,2815)	1:27:A:GLN:HG3	1:22:A:LEU:HD13	11	0.19
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	3	0.19
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	6	0.19
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	14	0.19
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	11	0.19
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	14	0.19
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	8	0.19
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	8	0.19
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	5	0.19
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	5	0.19
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	10	0.19
(2,2556)	1:32:B:PHE:HB2	1:61:B:LEU:HD12	4	0.19
(2,2555)	1:32:A:PHE:HB2	1:61:A:LEU:HD12	4	0.19
(2,2547)	1:24:A:ASN:HD22	1:24:A:ASN:HB2	2	0.19
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	1	0.19
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	1	0.19
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	12	0.19
(2,2483)	1:55:A:LEU:HB2	1:36:A:ARG:HA	12	0.19
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	13	0.19
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	13	0.19
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	13	0.19
(2,2302)	1:33:B:LYS:HE3	1:33:B:LYS:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2301)	1:33:A:LYS:HE3	1:33:A:LYS:HB2	11	0.19
(2,2300)	1:33:B:LYS:HE3	1:62:B:LEU:HD12	8	0.19
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	13	0.19
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	13	0.19
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	7	0.19
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	7	0.19
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	14	0.19
(2,2060)	1:46:B:MET:HA	1:51:B:ARG:HD3	1	0.19
(2,2054)	1:44:B:ASN:HD21	1:44:B:ASN:HA	5	0.19
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	14	0.19
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB1	15	0.19
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	14	0.19
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB1	15	0.19
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	3	0.19
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	15	0.19
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	3	0.19
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	8	0.19
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	5	0.19
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	5	0.19
(2,1536)	1:2:B:PRO:HA	1:64:A:TYR:HE1	14	0.19
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	10	0.19
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE2	14	0.19
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	10	0.19
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	10	0.19
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	10	0.19
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	12	0.19
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	12	0.19
(2,934)	1:51:B:ARG:H	1:51:B:ARG:HG2	14	0.19
(2,933)	1:51:A:ARG:H	1:51:A:ARG:HG2	14	0.19
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG23	15	0.19
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG23	15	0.19
(2,764)	1:41:B:ASN:H	1:43:B:LEU:HD12	11	0.19
(2,763)	1:41:A:ASN:H	1:43:A:LEU:HD12	11	0.19
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	13	0.19
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	2	0.19
(2,626)	1:33:B:LYS:H	1:34:B:GLU:HG3	9	0.19
(2,621)	1:33:A:LYS:H	1:33:A:LYS:HG3	15	0.19
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	5	0.19
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	2	0.19
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD21	13	0.19
(2,41)	1:52:A:ALA:H	1:49:B:GLN:HA	5	0.19
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3136)	1:55:B:LEU:HD23	1:49:A:GLN:HB3	12	0.19
(1,3080)	1:56:B:THR:HG22	1:57:A:ALA:HA	3	0.19
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	6	0.19
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	14	0.19
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	5	0.19
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	6	0.19
(1,3079)	1:56:A:THR:HG23	1:57:B:ALA:HA	7	0.19
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD23	11	0.19
(1,3059)	1:17:A:HIS:HE1	1:20:A:THR:HB	15	0.19
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	8	0.19
(1,2978)	1:24:B:ASN:HD21	1:43:B:LEU:HD12	7	0.19
(1,2977)	1:24:A:ASN:HD21	1:43:A:LEU:HD12	7	0.19
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	1	0.19
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	2	0.19
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	9	0.19
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	14	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	2	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	9	0.19
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	14	0.19
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	6	0.19
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	6	0.19
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD13	13	0.19
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD13	13	0.19
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	5	0.19
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD13	11	0.19
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	5	0.19
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD13	11	0.19
(1,2798)	1:45:B:ILE:HG23	1:40:B:LEU:HG	3	0.19
(1,2797)	1:45:A:ILE:HG23	1:40:A:LEU:HG	3	0.19
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE3	12	0.19
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	1	0.19
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB2	5	0.19
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB1	7	0.19
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB2	5	0.19
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB1	7	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	1	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	3	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB1	4	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB3	5	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB3	6	0.19
(1,2762)	1:57:B:ALA:HA	1:57:B:ALA:HB2	7	0.19
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	3	0.19
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB1	4	0.19
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB3	5	0.19
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB3	6	0.19
(1,2761)	1:57:A:ALA:HA	1:57:A:ALA:HB2	7	0.19
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB3	9	0.19
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB2	15	0.19
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB3	9	0.19
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB2	15	0.19
(1,2720)	1:52:B:ALA:HB2	1:12:A:ILE:HB	15	0.19
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG22	2	0.19
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG22	1	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	4	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG23	6	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	7	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	9	0.19
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	12	0.19
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	1	0.19
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	4	0.19
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG23	6	0.19
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	8	0.19
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD12	11	0.19
(1,2549)	1:5:A:LEU:H	1:5:A:LEU:HD23	14	0.19
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	9	0.19
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	9	0.19
(1,2546)	1:5:B:LEU:HD23	1:31:B:ASP:H	14	0.19
(1,2545)	1:5:A:LEU:HD23	1:31:A:ASP:H	14	0.19
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	12	0.19
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD22	2	0.19
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD22	2	0.19
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	12	0.19
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD11	8	0.19
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD11	8	0.19
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	15	0.19
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	15	0.19
(1,2438)	1:42:B:GLU:HB3	1:43:B:LEU:HD13	15	0.19
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD11	4	0.19
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD11	13	0.19
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD11	4	0.19
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD11	13	0.19
(1,2400)	1:8:B:LEU:HD13	1:11:B:ARG:HB3	4	0.19
(1,2399)	1:8:A:LEU:HD13	1:11:A:ARG:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2316)	1:9:B:LEU:HD22	1:5:B:LEU:HA	1	0.19
(1,2316)	1:9:B:LEU:HD23	1:5:B:LEU:HA	3	0.19
(1,2315)	1:9:A:LEU:HD22	1:5:A:LEU:HA	1	0.19
(1,2315)	1:9:A:LEU:HD23	1:5:A:LEU:HA	3	0.19
(1,2282)	1:11:B:ARG:HG2	1:63:A:ASP:HB2	4	0.19
(1,2281)	1:11:A:ARG:HG2	1:63:B:ASP:HB2	4	0.19
(1,2256)	1:54:B:LEU:HD13	1:45:B:ILE:HB	3	0.19
(1,2255)	1:54:A:LEU:HD13	1:45:A:ILE:HB	3	0.19
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	11	0.19
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	11	0.19
(1,2210)	1:2:B:PRO:HG3	1:12:B:ILE:HG22	14	0.19
(1,2209)	1:2:A:PRO:HG3	1:12:A:ILE:HG22	14	0.19
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD21	5	0.19
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	1	0.19
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD21	5	0.19
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	9	0.19
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	9	0.19
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	9	0.19
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	10	0.19
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	13	0.19
(1,2094)	1:13:B:GLY:HA3	1:53:B:LYS:HD3	2	0.19
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	7	0.19
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	7	0.19
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	6	0.19
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	11	0.19
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	11	0.19
(1,1957)	1:50:A:HIS:HB3	1:53:A:LYS:HD3	12	0.19
(1,1956)	1:50:B:HIS:HB3	1:45:B:ILE:HB	1	0.19
(1,1955)	1:50:A:HIS:HB3	1:45:A:ILE:HB	1	0.19
(1,1861)	1:60:A:LEU:H	1:59:A:GLU:HG2	2	0.19
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	14	0.19
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	1	0.19
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	14	0.19
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	7	0.19
(1,1732)	1:64:B:TYR:HB2	1:61:B:LEU:HD22	4	0.19
(1,1731)	1:64:A:TYR:HB2	1:61:A:LEU:HD22	4	0.19
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	2	0.19
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	2	0.19
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD12	12	0.19
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD13	2	0.19
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD21	1	0.19
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:60:B:LEU:H	1:60:B:LEU:HB3	5	0.19
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	4	0.19
(1,1609)	1:60:A:LEU:H	1:60:A:LEU:HB3	5	0.19
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	8	0.19
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	8	0.19
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	12	0.19
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	8	0.19
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	12	0.19
(1,1432)	1:38:B:THR:H	1:36:B:ARG:HD2	11	0.19
(1,1431)	1:38:A:THR:H	1:36:A:ARG:HD2	11	0.19
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	13	0.19
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	13	0.19
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	5	0.19
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	8	0.19
(1,1314)	1:44:B:ASN:HA	1:45:B:ILE:HG12	15	0.19
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	8	0.19
(1,1313)	1:44:A:ASN:HA	1:45:A:ILE:HG12	15	0.19
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	3	0.19
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	13	0.19
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	3	0.19
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	13	0.19
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	1	0.19
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	13	0.19
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	13	0.19
(1,1160)	1:59:B:GLU:HA	1:60:B:LEU:HD11	13	0.19
(1,1159)	1:59:A:GLU:HA	1:60:A:LEU:HD11	13	0.19
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	11	0.19
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	7	0.19
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	5	0.19
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	2	0.19
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	3	0.19
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	5	0.19
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	7	0.19
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	3	0.19
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	4	0.19
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	5	0.19
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	3	0.19
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	4	0.19
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	13	0.19
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD12	1	0.19
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD12	1	0.19
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	13	0.19
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	13	0.19
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	3	0.19
(1,973)	1:19:A:SER:HB2	1:22:A:LEU:HB3	13	0.19
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	3	0.19
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	3	0.19
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	4	0.19
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	9	0.19
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	4	0.19
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	9	0.19
(1,796)	1:68:B:CYS:H	1:69:B:GLU:H	9	0.19
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	12	0.19
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	12	0.19
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	8	0.19
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD11	11	0.19
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD11	11	0.19
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	4	0.19
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	4	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	1	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	4	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD12	11	0.19
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD12	15	0.19
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	1	0.19
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD11	8	0.19
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD12	11	0.19
(1,575)	1:54:A:LEU:H	1:12:A:ILE:HD13	15	0.19
(1,540)	1:50:B:HIS:H	1:52:A:ALA:HB2	12	0.19
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD11	4	0.19
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	6	0.19
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	6	0.19
(1,476)	1:41:B:ASN:H	1:42:B:GLU:HB2	14	0.19
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD11	8	0.19
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD11	8	0.19
(1,376)	1:32:B:PHE:H	1:34:B:GLU:HG2	2	0.19
(1,375)	1:32:A:PHE:H	1:34:A:GLU:HG2	2	0.19
(1,351)	1:30:A:GLU:H	1:31:A:ASP:HB3	11	0.19
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	14	0.19
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	14	0.19
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	7	0.19
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	13	0.19
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	1	0.19
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	8	0.19
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD11	9	0.19
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	11	0.19
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	3	0.19
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	5	0.19
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	3	0.19
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	5	0.19
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	5	0.19
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	1	0.19
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	4	0.19
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	8	0.19
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	1	0.19
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	4	0.19
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	8	0.19
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	1	0.19
(2,4928)	1:59:B:GLU:HB2	1:12:A:ILE:HA	9	0.18
(2,4920)	1:60:B:LEU:HD22	1:8:A:LEU:HG	9	0.18
(2,4919)	1:60:A:LEU:HD23	1:8:B:LEU:HG	10	0.18
(2,4905)	1:61:A:LEU:HD11	1:60:B:LEU:HB3	6	0.18
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	6	0.18
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	11	0.18
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG21	11	0.18
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG22	5	0.18
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD2	13	0.18
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB3	1	0.18
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB2	4	0.18
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	8	0.18
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD11	13	0.18
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	8	0.18
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	10	0.18
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	10	0.18
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	5	0.18
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	10	0.18
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	7	0.18
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	7	0.18
(2,4351)	1:58:A:ALA:HB1	1:32:A:PHE:HD1	15	0.18
(2,4336)	1:24:B:ASN:H	1:20:B:THR:HA	6	0.18
(2,4294)	1:8:B:LEU:HD13	1:2:B:PRO:HG2	4	0.18
(2,4293)	1:8:A:LEU:HD13	1:2:A:PRO:HG2	4	0.18
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	3	0.18
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	5	0.18
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	5	0.18
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	15	0.18
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	13	0.18
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	13	0.18
(2,4162)	1:12:B:ILE:HD11	1:11:B:ARG:H	11	0.18
(2,4161)	1:12:A:ILE:HD11	1:11:A:ARG:H	11	0.18
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD13	9	0.18
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD13	9	0.18
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG21	12	0.18
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG22	1	0.18
(2,4124)	1:45:B:ILE:HG21	1:51:B:ARG:HA	9	0.18
(2,4123)	1:45:A:ILE:HG21	1:51:A:ARG:HA	9	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	1	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG23	4	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	5	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG22	8	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	9	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG22	10	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	11	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	12	0.18
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG23	14	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	1	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG23	4	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG22	8	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG22	10	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	11	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	12	0.18
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG23	14	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	1	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	4	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	7	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	8	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	11	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	12	0.18
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB3	13	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	1	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	7	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	8	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	9	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	11	0.18
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	12	0.18
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	2	0.18
(2,4019)	1:18:A:THR:HG21	1:22:A:LEU:H	7	0.18
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG22	9	0.18
(2,4003)	1:9:A:LEU:HD23	1:18:A:THR:HG22	14	0.18
(2,3972)	1:9:B:LEU:HD11	1:32:B:PHE:HZ	14	0.18
(2,3971)	1:9:A:LEU:HD11	1:32:A:PHE:HZ	14	0.18
(2,3916)	1:14:B:LEU:HD11	1:50:B:HIS:HD2	3	0.18
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG22	13	0.18
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG22	8	0.18
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE2	1	0.18
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE1	5	0.18
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE2	1	0.18
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE1	5	0.18
(2,3863)	1:60:A:LEU:HD13	1:12:B:ILE:HA	1	0.18
(2,3762)	1:26:B:TYR:HB2	1:5:B:LEU:HD22	4	0.18
(2,3761)	1:26:A:TYR:HB2	1:5:A:LEU:HD22	4	0.18
(2,3722)	1:27:B:GLN:HG2	1:22:B:LEU:HD13	11	0.18
(2,3711)	1:61:A:LEU:HD21	1:64:B:TYR:HD2	12	0.18
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD12	6	0.18
(2,3555)	1:8:A:LEU:HD11	1:32:A:PHE:HZ	5	0.18
(2,3554)	1:8:B:LEU:HD13	1:32:B:PHE:HE2	6	0.18
(2,3553)	1:8:A:LEU:HD13	1:32:A:PHE:HE2	6	0.18
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	2	0.18
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	2	0.18
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	4	0.18
(2,3442)	1:17:B:HIS:HB2	1:21:B:LEU:HD21	10	0.18
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE1	12	0.18
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE1	12	0.18
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	6	0.18
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	3	0.18
(2,3382)	1:54:B:LEU:HD11	1:55:B:LEU:H	5	0.18
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	3	0.18
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	10	0.18
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	2	0.18
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	15	0.18
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	2	0.18
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	6	0.18
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	14	0.18
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	14	0.18
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD23	6	0.18
(2,3086)	1:33:B:LYS:HD2	1:62:B:LEU:HD13	15	0.18
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	11	0.18
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	7	0.18
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	7	0.18
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	11	0.18
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	13	0.18
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	13	0.18
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	2	0.18
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	11	0.18
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	13	0.18
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG22	6	0.18
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG22	6	0.18
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	11	0.18
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	10	0.18
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	13	0.18
(2,2299)	1:33:A:LYS:HE3	1:62:A:LEU:HD12	8	0.18
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	1	0.18
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	7	0.18
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	7	0.18
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	10	0.18
(2,2059)	1:46:A:MET:HA	1:51:A:ARG:HD3	1	0.18
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	15	0.18
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	15	0.18
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB2	6	0.18
(2,1998)	1:52:B:ALA:HA	1:52:B:ALA:HB2	12	0.18
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB2	6	0.18
(2,1997)	1:52:A:ALA:HA	1:52:A:ALA:HB2	12	0.18
(2,1904)	1:31:B:ASP:HA	1:28:B:THR:H	15	0.18
(2,1903)	1:31:A:ASP:HA	1:28:A:THR:H	15	0.18
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	1	0.18
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	5	0.18
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	11	0.18
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	1	0.18
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	5	0.18
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	11	0.18
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	15	0.18
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD22	13	0.18
(2,1584)	1:45:B:ILE:HA	1:50:B:HIS:HB2	5	0.18
(2,1583)	1:45:A:ILE:HA	1:50:A:HIS:HB2	5	0.18
(2,1535)	1:2:A:PRO:HA	1:64:B:TYR:HE1	14	0.18
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	11	0.18
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	14	0.18
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE2	14	0.18
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	2	0.18
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	2	0.18
(2,950)	1:52:B:ALA:H	1:55:B:LEU:HD22	3	0.18
(2,949)	1:52:A:ALA:H	1:55:A:LEU:HD22	3	0.18
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD11	4	0.18
(2,809)	1:43:A:LEU:H	1:45:A:ILE:HD11	4	0.18
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	2	0.18
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	7	0.18
(2,655)	1:35:A:LEU:H	1:58:A:ALA:HB3	10	0.18
(2,622)	1:33:B:LYS:H	1:33:B:LYS:HG3	15	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	3	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	5	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	6	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	8	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	9	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	11	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	12	0.18
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	14	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	6	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	8	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	9	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	11	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	12	0.18
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	14	0.18
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	2	0.18
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD23	2	0.18
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD21	13	0.18
(1,3176)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	6	0.18
(1,3142)	1:62:B:LEU:HD23	1:11:A:ARG:HG2	6	0.18
(1,3135)	1:55:A:LEU:HD21	1:49:B:GLN:HB3	5	0.18
(1,3135)	1:55:A:LEU:HD23	1:49:B:GLN:HB3	12	0.18
(1,3132)	1:8:B:LEU:HD13	1:60:A:LEU:HG	2	0.18
(1,3131)	1:8:A:LEU:HD13	1:60:B:LEU:HG	2	0.18
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	1	0.18
(1,3080)	1:56:B:THR:HG23	1:57:A:ALA:HA	5	0.18
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	1	0.18
(1,3040)	1:50:B:HIS:HE1	1:48:B:PRO:HD2	10	0.18
(1,3036)	1:49:B:GLN:H	1:50:B:HIS:HD2	4	0.18
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	11	0.18
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	11	0.18
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD2	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2970)	1:9:B:LEU:HD11	1:16:B:GLU:HB3	5	0.18
(1,2970)	1:9:B:LEU:HD11	1:16:B:GLU:HB3	6	0.18
(1,2970)	1:9:B:LEU:HD13	1:11:B:ARG:HB3	12	0.18
(1,2969)	1:9:A:LEU:HD11	1:16:A:GLU:HB3	5	0.18
(1,2969)	1:9:A:LEU:HD11	1:16:A:GLU:HB3	6	0.18
(1,2969)	1:9:A:LEU:HD13	1:11:A:ARG:HB3	12	0.18
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	1	0.18
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	5	0.18
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	5	0.18
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	6	0.18
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG22	7	0.18
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	13	0.18
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	5	0.18
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	6	0.18
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG22	7	0.18
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	13	0.18
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	1	0.18
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	3	0.18
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	3	0.18
(1,2844)	1:45:B:ILE:HD11	1:54:B:LEU:HB2	7	0.18
(1,2843)	1:45:A:ILE:HD11	1:54:A:LEU:HB2	7	0.18
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD11	14	0.18
(1,2782)	1:12:B:ILE:HG21	1:59:A:GLU:H	11	0.18
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB3	4	0.18
(1,2774)	1:57:B:ALA:H	1:57:B:ALA:HB2	6	0.18
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB3	4	0.18
(1,2773)	1:57:A:ALA:H	1:57:A:ALA:HB2	6	0.18
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB2	3	0.18
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB2	3	0.18
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	2	0.18
(1,2712)	1:38:B:THR:HG21	1:39:B:HIS:HD2	5	0.18
(1,2711)	1:38:A:THR:HG21	1:39:A:HIS:HD2	5	0.18
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG22	1	0.18
(1,2700)	1:19:B:SER:H	1:18:B:THR:HG21	6	0.18
(1,2699)	1:19:A:SER:H	1:18:A:THR:HG21	6	0.18
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	1	0.18
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	8	0.18
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD12	1	0.18
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD12	1	0.18
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	2	0.18
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	2	0.18
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:5:A:LEU:HD21	1:21:A:LEU:HB2	15	0.18
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	12	0.18
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD23	11	0.18
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD23	11	0.18
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	7	0.18
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	7	0.18
(1,2437)	1:42:A:GLU:HB3	1:43:A:LEU:HD13	15	0.18
(1,2394)	1:35:B:LEU:HD22	1:39:B:HIS:H	8	0.18
(1,2393)	1:35:A:LEU:HD22	1:39:A:HIS:H	8	0.18
(1,2352)	1:33:B:LYS:H	1:61:B:LEU:HD12	13	0.18
(1,2351)	1:33:A:LYS:H	1:61:A:LEU:HD12	13	0.18
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	4	0.18
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	14	0.18
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	4	0.18
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	14	0.18
(1,2199)	1:29:A:LEU:HG	1:7:A:GLU:HB2	10	0.18
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD21	2	0.18
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	4	0.18
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD21	2	0.18
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	4	0.18
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	3	0.18
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	3	0.18
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	8	0.18
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	14	0.18
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	8	0.18
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	14	0.18
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	10	0.18
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	13	0.18
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	9	0.18
(1,2093)	1:13:A:GLY:HA3	1:53:A:LYS:HD3	2	0.18
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	12	0.18
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	12	0.18
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	1	0.18
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	14	0.18
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	1	0.18
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	6	0.18
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	14	0.18
(1,1958)	1:50:B:HIS:HB3	1:53:B:LYS:HD3	12	0.18
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	1	0.18
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	3	0.18
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	3	0.18
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD12	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:65:B:ASP:HB3	1:61:B:LEU:HD23	3	0.18
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	9	0.18
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	9	0.18
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	13	0.18
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	1	0.18
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	5	0.18
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	1	0.18
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	13	0.18
(1,1390)	1:25:B:GLY:HA2	1:31:B:ASP:HB3	9	0.18
(1,1389)	1:25:A:GLY:HA2	1:31:A:ASP:HB3	9	0.18
(1,1304)	1:63:B:ASP:HA	1:66:A:THR:HG21	15	0.18
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	13	0.18
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	13	0.18
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	15	0.18
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	15	0.18
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	3	0.18
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	3	0.18
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	9	0.18
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	15	0.18
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	9	0.18
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	14	0.18
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	14	0.18
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	13	0.18
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	13	0.18
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	8	0.18
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	8	0.18
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	2	0.18
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	3	0.18
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	7	0.18
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	8	0.18
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	10	0.18
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	14	0.18
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	5	0.18
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	8	0.18
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	10	0.18
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	14	0.18
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	15	0.18
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	13	0.18
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	13	0.18
(1,974)	1:19:B:SER:HB2	1:22:B:LEU:HB3	3	0.18
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG23	13	0.18
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG23	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	10	0.18
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	10	0.18
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	11	0.18
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	11	0.18
(1,795)	1:68:A:CYS:H	1:69:A:GLU:H	9	0.18
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	4	0.18
(1,792)	1:68:B:CYS:H	1:64:B:TYR:HA	5	0.18
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	4	0.18
(1,791)	1:68:A:CYS:H	1:64:A:TYR:HA	5	0.18
(1,739)	1:64:A:TYR:H	1:57:A:ALA:HA	4	0.18
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	7	0.18
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	8	0.18
(1,711)	1:63:A:ASP:H	1:60:A:LEU:HD13	3	0.18
(1,694)	1:62:B:LEU:H	1:61:B:LEU:HD22	2	0.18
(1,693)	1:62:A:LEU:H	1:61:A:LEU:HD22	2	0.18
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	7	0.18
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD12	5	0.18
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD12	5	0.18
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD11	8	0.18
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE2	7	0.18
(1,502)	1:44:B:ASN:H	1:46:B:MET:HG2	2	0.18
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	1	0.18
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	1	0.18
(1,426)	1:35:B:LEU:H	1:32:B:PHE:HB2	15	0.18
(1,425)	1:35:A:LEU:H	1:32:A:PHE:HB2	15	0.18
(1,352)	1:30:B:GLU:H	1:31:B:ASP:HB3	11	0.18
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	1	0.18
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	15	0.18
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	1	0.18
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	15	0.18
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD11	6	0.18
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD11	6	0.18
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD22	11	0.18
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD21	7	0.18
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD22	11	0.18
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD11	9	0.18
(1,188)	1:13:B:GLY:H	1:12:B:ILE:HD13	10	0.18
(1,187)	1:13:A:GLY:H	1:12:A:ILE:HD13	10	0.18
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	2	0.18
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	2	0.18
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD22	1	0.18
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	10	0.18
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	5	0.18
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	6	0.18
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	9	0.18
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	5	0.18
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	6	0.18
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	9	0.18
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	14	0.18
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	13	0.18
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	14	0.18
(2,4927)	1:59:A:GLU:HB2	1:12:B:ILE:HA	8	0.17
(2,4920)	1:60:B:LEU:HD23	1:8:A:LEU:HG	10	0.17
(2,4919)	1:60:A:LEU:HD22	1:8:B:LEU:HG	9	0.17
(2,4865)	1:53:A:LYS:HG2	1:53:B:LYS:H	15	0.17
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	2	0.17
(2,4771)	1:61:A:LEU:HD12	1:64:B:TYR:HD2	5	0.17
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB3	1	0.17
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB1	2	0.17
(2,4768)	1:60:B:LEU:HD21	1:57:A:ALA:HB3	3	0.17
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB2	4	0.17
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB1	2	0.17
(2,4747)	1:60:A:LEU:HD12	1:57:B:ALA:HB3	9	0.17
(2,4708)	1:64:B:TYR:HE2	1:8:A:LEU:HD11	13	0.17
(2,4707)	1:64:A:TYR:HE2	1:8:B:LEU:HD11	6	0.17
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE1	11	0.17
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE1	12	0.17
(2,4678)	1:17:B:HIS:HE1	1:47:B:ASP:HB3	6	0.17
(2,4677)	1:17:A:HIS:HE1	1:47:A:ASP:HB3	6	0.17
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	10	0.17
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	10	0.17
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD11	4	0.17
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD11	4	0.17
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	4	0.17
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	4	0.17
(2,4362)	1:14:B:LEU:HD13	1:17:B:HIS:HE1	12	0.17
(2,4352)	1:58:B:ALA:HB1	1:32:B:PHE:HD1	15	0.17
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	4	0.17
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	8	0.17
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	9	0.17
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	11	0.17
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	13	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	4	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	8	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	9	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	11	0.17
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	13	0.17
(2,4272)	1:49:B:GLN:HG3	1:52:A:ALA:HB3	7	0.17
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	2	0.17
(2,4254)	1:59:B:GLU:HB2	1:59:B:GLU:HA	9	0.17
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	2	0.17
(2,4253)	1:59:A:GLU:HB2	1:59:A:GLU:HA	9	0.17
(2,4161)	1:12:A:ILE:HD11	1:11:A:ARG:H	2	0.17
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG22	1	0.17
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG21	6	0.17
(2,4124)	1:45:B:ILE:HG22	1:51:B:ARG:HA	10	0.17
(2,4123)	1:45:A:ILE:HG22	1:51:A:ARG:HA	10	0.17
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	3	0.17
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	6	0.17
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG21	7	0.17
(2,4074)	1:12:B:ILE:HB	1:12:B:ILE:HG23	13	0.17
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	3	0.17
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	5	0.17
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	6	0.17
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG21	7	0.17
(2,4073)	1:12:A:ILE:HB	1:12:A:ILE:HG23	13	0.17
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	2	0.17
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	6	0.17
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB2	9	0.17
(2,4058)	1:58:B:ALA:H	1:58:B:ALA:HB1	15	0.17
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	2	0.17
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB2	4	0.17
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	6	0.17
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB3	13	0.17
(2,4057)	1:58:A:ALA:H	1:58:A:ALA:HB1	15	0.17
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG23	12	0.17
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG23	12	0.17
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG21	13	0.17
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG21	13	0.17
(2,4020)	1:18:B:THR:HG21	1:22:B:LEU:H	7	0.17
(2,4003)	1:9:A:LEU:HD21	1:18:A:THR:HG22	2	0.17
(2,3946)	1:55:B:LEU:HD11	1:40:B:LEU:H	14	0.17
(2,3945)	1:55:A:LEU:HD11	1:40:A:LEU:H	14	0.17
(2,3915)	1:14:A:LEU:HD11	1:50:A:HIS:HD2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	13	0.17
(2,3868)	1:60:B:LEU:HD13	1:64:B:TYR:HD1	15	0.17
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	13	0.17
(2,3867)	1:60:A:LEU:HD13	1:64:A:TYR:HD1	15	0.17
(2,3866)	1:60:B:LEU:HD11	1:64:B:TYR:HE1	12	0.17
(2,3865)	1:60:A:LEU:HD11	1:64:A:TYR:HE1	12	0.17
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	12	0.17
(2,3856)	1:23:B:LEU:HD22	1:24:B:ASN:HD21	2	0.17
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD22	6	0.17
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD22	6	0.17
(2,3721)	1:27:A:GLN:HG2	1:22:A:LEU:HD13	11	0.17
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	2	0.17
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	2	0.17
(2,3662)	1:40:B:LEU:HD11	1:37:B:GLU:HA	5	0.17
(2,3661)	1:40:A:LEU:HD11	1:37:A:GLU:HA	5	0.17
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD11	15	0.17
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD11	8	0.17
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD12	6	0.17
(2,3556)	1:8:B:LEU:HD11	1:32:B:PHE:HZ	5	0.17
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	4	0.17
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	6	0.17
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	6	0.17
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD12	3	0.17
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD12	3	0.17
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	1	0.17
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	4	0.17
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	1	0.17
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	4	0.17
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	6	0.17
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	10	0.17
(2,3381)	1:54:A:LEU:HD11	1:55:A:LEU:H	5	0.17
(2,3330)	1:2:B:PRO:HG2	1:11:B:ARG:HD3	1	0.17
(2,3329)	1:2:A:PRO:HG2	1:11:A:ARG:HD3	1	0.17
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	6	0.17
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	11	0.17
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	11	0.17
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	15	0.17
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD23	6	0.17
(2,2784)	1:59:B:GLU:HA	1:59:B:GLU:HG3	8	0.17
(2,2783)	1:59:A:GLU:HA	1:59:A:GLU:HG3	8	0.17
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	2	0.17
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	11	0.17
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	9	0.17
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	10	0.17
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	11	0.17
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	11	0.17
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	1	0.17
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	2	0.17
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	10	0.17
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	2	0.17
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	3	0.17
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	7	0.17
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	8	0.17
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	11	0.17
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	3	0.17
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	7	0.17
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	8	0.17
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	11	0.17
(2,1908)	1:31:B:ASP:HA	1:34:B:GLU:HG2	5	0.17
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD21	1	0.17
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD21	1	0.17
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	5	0.17
(2,1729)	1:28:A:THR:HA	1:4:A:THR:HB	6	0.17
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	3	0.17
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	9	0.17
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	11	0.17
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	3	0.17
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	9	0.17
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD21	12	0.17
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD21	12	0.17
(2,1628)	1:51:B:ARG:HA	1:55:B:LEU:HD23	8	0.17
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD23	8	0.17
(2,1627)	1:51:A:ARG:HA	1:55:A:LEU:HD22	13	0.17
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD12	2	0.17
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD12	2	0.17
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	11	0.17
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	1	0.17
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	1	0.17
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	6	0.17
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	6	0.17
(2,898)	1:47:B:ASP:H	1:50:B:HIS:HD2	1	0.17
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	2	0.17
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	5	0.17
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	7	0.17
(2,656)	1:35:B:LEU:H	1:58:B:ALA:HB3	10	0.17
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD11	1	0.17
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD11	1	0.17
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	7	0.17
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	4	0.17
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	7	0.17
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	1	0.17
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	7	0.17
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	10	0.17
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	13	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	1	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	2	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	3	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	5	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	7	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	10	0.17
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	13	0.17
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	13	0.17
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	13	0.17
(2,136)	1:4:B:THR:H	1:7:B:GLU:HA	14	0.17
(2,135)	1:4:A:THR:H	1:7:A:GLU:HA	2	0.17
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD23	2	0.17
(2,34)	1:52:B:ALA:H	1:52:A:ALA:HB3	15	0.17
(2,33)	1:52:A:ALA:H	1:52:B:ALA:HB3	15	0.17
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	5	0.17
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	10	0.17
(1,3130)	1:8:B:LEU:HD12	1:60:A:LEU:HD23	4	0.17
(1,3124)	1:11:B:ARG:HB3	1:60:A:LEU:H	13	0.17
(1,3080)	1:56:B:THR:HG22	1:57:A:ALA:HA	11	0.17
(1,3080)	1:56:B:THR:HG22	1:57:A:ALA:HA	15	0.17
(1,3039)	1:50:A:HIS:HE1	1:48:A:PRO:HD2	10	0.17
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	15	0.17
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	3	0.17
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	3	0.17
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD2	15	0.17
(1,2970)	1:9:B:LEU:HD13	1:11:B:ARG:HB3	3	0.17
(1,2969)	1:9:A:LEU:HD13	1:11:A:ARG:HB3	3	0.17
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD2	5	0.17
(1,2942)	1:12:B:ILE:HD12	1:54:B:LEU:HD21	13	0.17
(1,2941)	1:12:A:ILE:HD12	1:54:A:LEU:HD21	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	5	0.17
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	11	0.17
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	11	0.17
(1,2933)	1:14:A:LEU:HD13	1:16:A:GLU:HA	12	0.17
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG21	3	0.17
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG21	3	0.17
(1,2911)	1:56:A:THR:HA	1:56:A:THR:HG23	4	0.17
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	1	0.17
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD11	2	0.17
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD11	4	0.17
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD13	14	0.17
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD11	2	0.17
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD11	4	0.17
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD13	14	0.17
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD11	10	0.17
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD11	10	0.17
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD11	14	0.17
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE3	12	0.17
(1,2789)	1:45:A:ILE:H	1:46:A:MET:HE3	5	0.17
(1,2781)	1:12:A:ILE:HG21	1:59:B:GLU:H	5	0.17
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB1	7	0.17
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB2	14	0.17
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB1	7	0.17
(1,2752)	1:58:B:ALA:HB2	1:36:B:ARG:HD2	8	0.17
(1,2751)	1:58:A:ALA:HB2	1:36:A:ARG:HD2	8	0.17
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	2	0.17
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG22	2	0.17
(1,2698)	1:9:B:LEU:H	1:18:B:THR:HG22	4	0.17
(1,2697)	1:9:A:LEU:H	1:18:A:THR:HG22	4	0.17
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG22	10	0.17
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD12	6	0.17
(1,2604)	1:59:B:GLU:H	1:60:B:LEU:HD12	15	0.17
(1,2603)	1:59:A:GLU:H	1:60:A:LEU:HD12	15	0.17
(1,2574)	1:43:B:LEU:HD23	1:40:B:LEU:HG	2	0.17
(1,2573)	1:43:A:LEU:HD23	1:40:A:LEU:HG	2	0.17
(1,2542)	1:5:B:LEU:HD21	1:21:B:LEU:HB2	15	0.17
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	5	0.17
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	5	0.17
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	5	0.17
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD21	10	0.17
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD23	13	0.17
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD21	10	0.17
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD23	13	0.17
(1,2518)	1:22:B:LEU:HD11	1:5:B:LEU:HB3	11	0.17
(1,2517)	1:22:A:LEU:HD11	1:5:A:LEU:HB3	11	0.17
(1,2434)	1:55:B:LEU:HD23	1:55:B:LEU:HG	11	0.17
(1,2434)	1:55:B:LEU:HD22	1:55:B:LEU:HG	15	0.17
(1,2433)	1:55:A:LEU:HD23	1:55:A:LEU:HG	11	0.17
(1,2433)	1:55:A:LEU:HD22	1:55:A:LEU:HG	15	0.17
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	3	0.17
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	5	0.17
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	14	0.17
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	3	0.17
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	5	0.17
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	14	0.17
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	9	0.17
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	9	0.17
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD13	10	0.17
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD13	10	0.17
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	6	0.17
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	6	0.17
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	10	0.17
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	10	0.17
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	2	0.17
(1,2232)	1:8:B:LEU:HG	1:12:B:ILE:HB	5	0.17
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	2	0.17
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	5	0.17
(1,2224)	1:18:B:THR:HB	1:22:B:LEU:HG	10	0.17
(1,2200)	1:29:B:LEU:HG	1:7:B:GLU:HB2	10	0.17
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD21	9	0.17
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD21	14	0.17
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD21	9	0.17
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD21	14	0.17
(1,2172)	1:3:B:LYS:HD2	1:3:B:LYS:HB3	1	0.17
(1,2171)	1:3:A:LYS:HD2	1:3:A:LYS:HB3	1	0.17
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	4	0.17
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	7	0.17
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	4	0.17
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	7	0.17
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	7	0.17
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	1	0.17
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	11	0.17
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	8	0.17
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	8	0.17
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	3	0.17
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	3	0.17
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD21	1	0.17
(1,1627)	1:65:A:ASP:HB3	1:61:A:LEU:HD23	3	0.17
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	11	0.17
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	11	0.17
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	8	0.17
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	8	0.17
(1,1422)	1:46:B:MET:H	1:51:B:ARG:HD2	4	0.17
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	6	0.17
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	4	0.17
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	8	0.17
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	11	0.17
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	4	0.17
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	8	0.17
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	11	0.17
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	12	0.17
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	11	0.17
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	12	0.17
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	6	0.17
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	6	0.17
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	15	0.17
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	3	0.17
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	8	0.17
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	8	0.17
(1,1150)	1:50:B:HIS:HA	1:53:B:LYS:HD3	1	0.17
(1,1149)	1:50:A:HIS:HA	1:53:A:LYS:HD3	1	0.17
(1,1140)	1:64:B:TYR:HA	1:2:A:PRO:HD2	5	0.17
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	6	0.17
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	6	0.17
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD23	8	0.17
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD23	15	0.17
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD23	8	0.17
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD23	15	0.17
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	1	0.17
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	15	0.17
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	1	0.17
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	12	0.17
(1,990)	1:19:B:SER:HB3	1:20:B:THR:HB	2	0.17
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	10	0.17
(1,914)	1:38:B:THR:HB	1:39:B:HIS:HB2	4	0.17
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	6	0.17
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	6	0.17
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	12	0.17
(1,848)	1:7:B:GLU:H	1:9:B:LEU:HG	11	0.17
(1,847)	1:7:A:GLU:H	1:9:A:LEU:HG	11	0.17
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	14	0.17
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	6	0.17
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	10	0.17
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	14	0.17
(1,740)	1:64:B:TYR:H	1:57:B:ALA:HA	4	0.17
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	5	0.17
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	14	0.17
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	15	0.17
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	5	0.17
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	7	0.17
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	14	0.17
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	15	0.17
(1,712)	1:63:B:ASP:H	1:60:B:LEU:HD13	3	0.17
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	7	0.17
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	3	0.17
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	10	0.17
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	3	0.17
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	10	0.17
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	7	0.17
(1,501)	1:44:A:ASN:H	1:46:A:MET:HG2	2	0.17
(1,352)	1:30:B:GLU:H	1:31:B:ASP:HB3	10	0.17
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	10	0.17
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	10	0.17
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD11	15	0.17
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD21	7	0.17
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD12	7	0.17
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD12	7	0.17
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD13	7	0.17
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD13	7	0.17
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	9	0.17
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	9	0.17
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD21	12	0.17
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD21	12	0.17
(1,70)	1:4:B:THR:H	1:3:B:LYS:HA	6	0.17
(1,69)	1:4:A:THR:H	1:3:A:LYS:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	10	0.17
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	3	0.17
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	13	0.17
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	14	0.17
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	3	0.17
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	14	0.17
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	1	0.17
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	13	0.17
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	2	0.17
(2,4920)	1:60:B:LEU:HD23	1:8:A:LEU:HG	11	0.16
(2,4906)	1:61:B:LEU:HD11	1:60:A:LEU:HB3	6	0.16
(2,4872)	1:64:B:TYR:HB2	1:64:A:TYR:HD1	9	0.16
(2,4869)	1:49:A:GLN:HG2	1:48:B:PRO:HB3	11	0.16
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	2	0.16
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG22	5	0.16
(2,4767)	1:60:A:LEU:HD21	1:57:B:ALA:HB3	3	0.16
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	13	0.16
(2,4748)	1:60:B:LEU:HD12	1:57:A:ALA:HB3	9	0.16
(2,4732)	1:52:B:ALA:HB2	1:53:A:LYS:H	12	0.16
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	2	0.16
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	7	0.16
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	2	0.16
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE1	12	0.16
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE1	11	0.16
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	1	0.16
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	15	0.16
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	1	0.16
(2,4652)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	15	0.16
(2,4651)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	15	0.16
(2,4628)	1:45:B:ILE:HG22	1:50:B:HIS:HE1	13	0.16
(2,4627)	1:45:A:ILE:HG22	1:50:A:HIS:HE1	13	0.16
(2,4594)	1:14:B:LEU:HG	1:17:B:HIS:HD2	9	0.16
(2,4593)	1:14:A:LEU:HG	1:17:A:HIS:HD2	9	0.16
(2,4580)	1:32:B:PHE:HA	1:26:B:TYR:HE2	7	0.16
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD13	12	0.16
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD13	12	0.16
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD12	7	0.16
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD12	7	0.16
(2,4400)	1:2:B:PRO:HB3	1:8:B:LEU:HG	2	0.16
(2,4399)	1:2:A:PRO:HB3	1:8:A:LEU:HG	2	0.16
(2,4361)	1:14:A:LEU:HD13	1:17:A:HIS:HE1	12	0.16
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	10	0.16
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	6	0.16
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	10	0.16
(2,4168)	1:17:B:HIS:HB2	1:45:B:ILE:HD12	15	0.16
(2,4167)	1:17:A:HIS:HB2	1:45:A:ILE:HD12	15	0.16
(2,4162)	1:12:B:ILE:HD11	1:11:B:ARG:H	2	0.16
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD13	8	0.16
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD12	14	0.16
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG21	6	0.16
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG22	14	0.16
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG22	14	0.16
(2,4052)	1:58:B:ALA:HB1	1:36:B:ARG:HA	9	0.16
(2,4051)	1:58:A:ALA:HB1	1:36:A:ARG:HA	9	0.16
(2,4042)	1:35:B:LEU:HD12	1:58:B:ALA:HB2	12	0.16
(2,4041)	1:35:A:LEU:HD12	1:58:A:ALA:HB2	12	0.16
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG21	4	0.16
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG21	5	0.16
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG22	14	0.16
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG23	2	0.16
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG21	4	0.16
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG21	5	0.16
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG22	14	0.16
(2,4020)	1:18:B:THR:HG21	1:22:B:LEU:H	6	0.16
(2,4019)	1:18:A:THR:HG21	1:22:A:LEU:H	6	0.16
(2,4004)	1:9:B:LEU:HD21	1:18:B:THR:HG22	2	0.16
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG22	3	0.16
(2,3916)	1:14:B:LEU:HD13	1:50:B:HIS:HD2	6	0.16
(2,3885)	1:17:A:HIS:HA	1:20:A:THR:HG21	5	0.16
(2,3875)	1:43:A:LEU:HD22	1:20:A:THR:HG23	9	0.16
(2,3866)	1:60:B:LEU:HD13	1:64:B:TYR:HE2	3	0.16
(2,3865)	1:60:A:LEU:HD13	1:64:A:TYR:HE2	3	0.16
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD22	9	0.16
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD11	2	0.16
(2,3822)	1:40:B:LEU:HD12	1:45:B:ILE:HD11	10	0.16
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD11	2	0.16
(2,3821)	1:40:A:LEU:HD12	1:45:A:ILE:HD11	10	0.16
(2,3712)	1:61:B:LEU:HD21	1:64:A:TYR:HD2	12	0.16
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD11	13	0.16
(2,3674)	1:35:B:LEU:HD11	1:55:B:LEU:HD12	6	0.16
(2,3673)	1:35:A:LEU:HD11	1:55:A:LEU:HD12	6	0.16
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD11	8	0.16
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3516)	1:13:B:GLY:H	1:14:B:LEU:HG	10	0.16
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	4	0.16
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	4	0.16
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD13	4	0.16
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD13	4	0.16
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	4	0.16
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	8	0.16
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	10	0.16
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	4	0.16
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	8	0.16
(2,3160)	1:42:B:GLU:HB3	1:39:B:HIS:HD2	5	0.16
(2,3159)	1:42:A:GLU:HB3	1:39:A:HIS:HD2	5	0.16
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD22	9	0.16
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	12	0.16
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	1	0.16
(2,2694)	1:7:B:GLU:H	1:7:B:GLU:HG3	5	0.16
(2,2688)	1:7:B:GLU:HG2	1:7:B:GLU:HA	14	0.16
(2,2666)	1:44:B:ASN:HB3	1:44:B:ASN:HD22	11	0.16
(2,2665)	1:44:A:ASN:HB3	1:44:A:ASN:HD22	11	0.16
(2,2588)	1:40:B:LEU:HB2	1:51:B:ARG:HG3	7	0.16
(2,2587)	1:40:A:LEU:HB2	1:51:A:ARG:HG3	7	0.16
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	14	0.16
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	13	0.16
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	14	0.16
(2,2428)	1:8:B:LEU:HB3	1:29:B:LEU:HG	9	0.16
(2,2427)	1:8:A:LEU:HB3	1:29:A:LEU:HG	9	0.16
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	8	0.16
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	9	0.16
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	6	0.16
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	4	0.16
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	4	0.16
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	7	0.16
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	9	0.16
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	7	0.16
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	9	0.16
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	6	0.16
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	6	0.16
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	1	0.16
(2,2103)	1:47:A:ASP:HA	1:48:A:PRO:HD2	1	0.16
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	1	0.16
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	1	0.16
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	9	0.16
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	10	0.16
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	1	0.16
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	5	0.16
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	9	0.16
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	10	0.16
(2,1907)	1:31:A:ASP:HA	1:34:A:GLU:HG2	5	0.16
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	4	0.16
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	7	0.16
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	13	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	4	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	7	0.16
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	13	0.16
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	5	0.16
(2,1730)	1:28:B:THR:HA	1:4:B:THR:HB	6	0.16
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	11	0.16
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	12	0.16
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	15	0.16
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	2	0.16
(2,1528)	1:2:B:PRO:HA	1:3:B:LYS:HG2	13	0.16
(2,1527)	1:2:A:PRO:HA	1:3:A:LYS:HG2	13	0.16
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	2	0.16
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	2	0.16
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	12	0.16
(2,1294)	1:8:B:LEU:H	1:6:B:HIS:HB2	6	0.16
(2,1293)	1:8:A:LEU:H	1:6:A:HIS:HB2	6	0.16
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	9	0.16
(2,1162)	1:69:B:GLU:H	1:69:B:GLU:HB3	15	0.16
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	15	0.16
(2,897)	1:47:A:ASP:H	1:50:A:HIS:HD2	1	0.16
(2,896)	1:47:B:ASP:H	1:50:B:HIS:HA	1	0.16
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	13	0.16
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	13	0.16
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	1	0.16
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	4	0.16
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	5	0.16
(2,720)	1:39:B:HIS:H	1:40:B:LEU:HB3	6	0.16
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	1	0.16
(2,719)	1:39:A:HIS:H	1:40:A:LEU:HB3	6	0.16
(2,626)	1:33:B:LYS:H	1:34:B:GLU:HG3	2	0.16
(2,625)	1:33:A:LYS:H	1:34:A:GLU:HG3	2	0.16
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	2	0.16
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	4	0.16
(2,356)	1:19:B:SER:H	1:18:B:THR:HA	15	0.16
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	4	0.16
(2,355)	1:19:A:SER:H	1:18:A:THR:HA	15	0.16
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	12	0.16
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	12	0.16
(2,136)	1:4:B:THR:H	1:7:B:GLU:HA	2	0.16
(2,135)	1:4:A:THR:H	1:7:A:GLU:HA	14	0.16
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD23	4	0.16
(1,3157)	1:66:A:THR:HG21	1:63:B:ASP:HB3	4	0.16
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	1	0.16
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	5	0.16
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	7	0.16
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	10	0.16
(1,3129)	1:8:A:LEU:HD12	1:60:B:LEU:HD23	4	0.16
(1,3079)	1:56:A:THR:HG22	1:57:B:ALA:HA	11	0.16
(1,3023)	1:62:A:LEU:H	1:64:A:TYR:HE2	11	0.16
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	9	0.16
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	9	0.16
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD1	10	0.16
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD1	15	0.16
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD1	10	0.16
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD1	15	0.16
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	1	0.16
(1,2934)	1:14:B:LEU:HD13	1:16:B:GLU:HA	12	0.16
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	1	0.16
(1,2933)	1:14:A:LEU:HD11	1:16:A:GLU:HA	10	0.16
(1,2925)	1:49:A:GLN:HG3	1:50:A:HIS:H	7	0.16
(1,2912)	1:56:B:THR:HA	1:56:B:THR:HG23	4	0.16
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	13	0.16
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	13	0.16
(1,2876)	1:58:B:ALA:HA	1:34:B:GLU:HA	10	0.16
(1,2875)	1:58:A:ALA:HA	1:34:A:GLU:HA	10	0.16
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD11	11	0.16
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD11	11	0.16
(1,2852)	1:40:B:LEU:HB2	1:45:B:ILE:HD12	13	0.16
(1,2851)	1:40:A:LEU:HB2	1:45:A:ILE:HD12	13	0.16
(1,2840)	1:21:B:LEU:HD22	1:45:B:ILE:HD13	3	0.16
(1,2839)	1:21:A:LEU:HD22	1:45:A:ILE:HD13	3	0.16
(1,2790)	1:45:B:ILE:H	1:46:B:MET:HE3	5	0.16
(1,2782)	1:12:B:ILE:HG21	1:59:A:GLU:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB2	14	0.16
(1,2734)	1:52:B:ALA:HB2	1:50:A:HIS:H	12	0.16
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG22	10	0.16
(1,2628)	1:14:B:LEU:HD13	1:47:B:ASP:HB2	14	0.16
(1,2627)	1:14:A:LEU:HD13	1:47:A:ASP:HB2	14	0.16
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD12	6	0.16
(1,2602)	1:60:B:LEU:HD13	1:57:A:ALA:HA	2	0.16
(1,2601)	1:60:A:LEU:HD13	1:57:B:ALA:HA	2	0.16
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD23	9	0.16
(1,2549)	1:5:A:LEU:H	1:5:A:LEU:HD23	9	0.16
(1,2480)	1:40:B:LEU:HD12	1:21:B:LEU:HA	8	0.16
(1,2479)	1:40:A:LEU:HD12	1:21:A:LEU:HA	8	0.16
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD11	2	0.16
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	5	0.16
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD11	2	0.16
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	5	0.16
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD11	15	0.16
(1,2288)	1:54:B:LEU:H	1:55:B:LEU:HG	8	0.16
(1,2287)	1:54:A:LEU:H	1:55:A:LEU:HG	8	0.16
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	2	0.16
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	2	0.16
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	12	0.16
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	12	0.16
(1,2223)	1:18:A:THR:HB	1:22:A:LEU:HG	10	0.16
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	1	0.16
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	7	0.16
(1,2078)	1:33:B:LYS:HD2	1:30:B:GLU:H	11	0.16
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	1	0.16
(1,2077)	1:33:A:LYS:HD2	1:30:A:GLU:H	11	0.16
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	5	0.16
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	5	0.16
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	7	0.16
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	4	0.16
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	4	0.16
(1,1890)	1:53:B:LYS:H	1:53:B:LYS:HB3	13	0.16
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	13	0.16
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	8	0.16
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD12	5	0.16
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD12	4	0.16
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD12	5	0.16
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	6	0.16
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG21	13	0.16
(1,1609)	1:61:A:LEU:H	1:60:A:LEU:HB3	7	0.16
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD13	2	0.16
(1,1440)	1:36:B:ARG:HD3	1:34:B:GLU:H	4	0.16
(1,1439)	1:36:A:ARG:HD3	1:34:A:GLU:H	4	0.16
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	2	0.16
(1,1438)	1:36:B:ARG:HD3	1:39:B:HIS:HE1	7	0.16
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	2	0.16
(1,1437)	1:36:A:ARG:HD3	1:39:A:HIS:HE1	7	0.16
(1,1437)	1:36:A:ARG:HD3	1:59:A:GLU:H	10	0.16
(1,1421)	1:46:A:MET:H	1:51:A:ARG:HD2	4	0.16
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	15	0.16
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	15	0.16
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	3	0.16
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	11	0.16
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	7	0.16
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	11	0.16
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	15	0.16
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	15	0.16
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	3	0.16
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	4	0.16
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	3	0.16
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	4	0.16
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	3	0.16
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	3	0.16
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	11	0.16
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	11	0.16
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	4	0.16
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	4	0.16
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	13	0.16
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	13	0.16
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD23	11	0.16
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD23	11	0.16
(1,1074)	1:10:B:GLU:HA	1:10:B:GLU:HB3	9	0.16
(1,1073)	1:10:A:GLU:HA	1:10:A:GLU:HB3	9	0.16
(1,989)	1:19:A:SER:HB3	1:20:A:THR:HB	2	0.16
(1,950)	1:2:B:PRO:HA	1:29:B:LEU:HD12	2	0.16
(1,949)	1:2:A:PRO:HA	1:29:A:LEU:HD12	2	0.16
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	9	0.16
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	12	0.16
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	9	0.16
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:20:B:THR:HA	1:21:B:LEU:HD12	7	0.16
(1,927)	1:20:A:THR:HA	1:21:A:LEU:HD12	7	0.16
(1,913)	1:38:A:THR:HB	1:39:A:HIS:HB2	4	0.16
(1,890)	1:18:B:THR:HB	1:22:B:LEU:HB2	1	0.16
(1,889)	1:18:A:THR:HB	1:22:A:LEU:HB2	1	0.16
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	12	0.16
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	13	0.16
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	13	0.16
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	5	0.16
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	6	0.16
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	10	0.16
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	5	0.16
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	15	0.16
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	15	0.16
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	2	0.16
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	6	0.16
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	6	0.16
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD13	1	0.16
(1,654)	1:59:B:GLU:H	1:60:B:LEU:HD11	7	0.16
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD13	1	0.16
(1,653)	1:59:A:GLU:H	1:60:A:LEU:HD11	7	0.16
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB3	11	0.16
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	1	0.16
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	15	0.16
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE2	1	0.16
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE2	10	0.16
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	15	0.16
(1,540)	1:50:B:HIS:H	1:52:B:ALA:HB3	6	0.16
(1,539)	1:50:A:HIS:H	1:52:A:ALA:HB3	6	0.16
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	12	0.16
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	12	0.16
(1,498)	1:44:B:ASN:H	1:43:B:LEU:HD12	1	0.16
(1,497)	1:44:A:ASN:H	1:43:A:LEU:HD12	1	0.16
(1,471)	1:41:A:ASN:H	1:55:A:LEU:HD21	15	0.16
(1,426)	1:35:B:LEU:H	1:32:B:PHE:HB2	9	0.16
(1,426)	1:35:B:LEU:H	1:32:B:PHE:HB2	11	0.16
(1,425)	1:35:A:LEU:H	1:32:A:PHE:HB2	11	0.16
(1,352)	1:30:B:GLU:H	1:31:B:ASP:HB3	15	0.16
(1,351)	1:30:A:GLU:H	1:31:A:ASP:HB3	10	0.16
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	5	0.16
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	5	0.16
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD11	15	0.16
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	8	0.16
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	10	0.16
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	10	0.16
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	1	0.16
(1,250)	1:20:B:THR:H	1:22:B:LEU:HB3	2	0.16
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	2	0.16
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD11	3	0.16
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD13	13	0.16
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD11	3	0.16
(1,190)	1:13:B:GLY:H	1:14:B:LEU:HD22	9	0.16
(1,189)	1:13:A:GLY:H	1:14:A:LEU:HD22	9	0.16
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	4	0.16
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	8	0.16
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD23	15	0.16
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	8	0.16
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD23	15	0.16
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	7	0.16
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	7	0.16
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	13	0.16
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	2	0.16
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	12	0.16
(2,4919)	1:60:A:LEU:HD21	1:8:B:LEU:HG	3	0.15
(2,4871)	1:64:A:TYR:HB2	1:64:B:TYR:HD1	9	0.15
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG21	11	0.15
(2,4772)	1:61:B:LEU:HD11	1:64:A:TYR:HD1	1	0.15
(2,4772)	1:61:B:LEU:HD12	1:64:A:TYR:HD2	5	0.15
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB2	14	0.15
(2,4731)	1:52:A:ALA:HB2	1:53:B:LYS:H	12	0.15
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	3	0.15
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD2	12	0.15
(2,4682)	1:33:B:LYS:HA	1:32:B:PHE:HD1	14	0.15
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	3	0.15
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD2	12	0.15
(2,4681)	1:33:A:LYS:HA	1:32:A:PHE:HD1	14	0.15
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	15	0.15
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	11	0.15
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	11	0.15
(2,4579)	1:32:A:PHE:HA	1:26:A:TYR:HE2	7	0.15
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	7	0.15
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	7	0.15
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD13	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD13	6	0.15
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD12	3	0.15
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD13	9	0.15
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD11	15	0.15
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD12	3	0.15
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD13	9	0.15
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD11	15	0.15
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	2	0.15
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	12	0.15
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	14	0.15
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	2	0.15
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	12	0.15
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	14	0.15
(2,4271)	1:49:A:GLN:HG3	1:52:B:ALA:HB3	7	0.15
(2,4162)	1:12:B:ILE:HD12	1:11:B:ARG:H	3	0.15
(2,4162)	1:12:B:ILE:HD11	1:11:B:ARG:H	6	0.15
(2,4161)	1:12:A:ILE:HD11	1:11:A:ARG:H	6	0.15
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	7	0.15
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	5	0.15
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	13	0.15
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD12	14	0.15
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	5	0.15
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD13	8	0.15
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	13	0.15
(2,4042)	1:35:B:LEU:HD13	1:58:B:ALA:HB3	3	0.15
(2,4041)	1:35:A:LEU:HD13	1:58:A:ALA:HB3	3	0.15
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB1	8	0.15
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB1	8	0.15
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG23	2	0.15
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG22	9	0.15
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG22	9	0.15
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG22	3	0.15
(2,3915)	1:14:A:LEU:HD13	1:50:A:HIS:HD2	6	0.15
(2,3908)	1:13:B:GLY:HA3	1:14:B:LEU:HD12	7	0.15
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG22	12	0.15
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG22	12	0.15
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG23	7	0.15
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG21	8	0.15
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG23	7	0.15
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG21	8	0.15
(2,3886)	1:17:B:HIS:HA	1:20:B:THR:HG21	5	0.15
(2,3880)	1:17:B:HIS:HB3	1:20:B:THR:HG23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3879)	1:17:A:HIS:HB3	1:20:A:THR:HG23	10	0.15
(2,3876)	1:43:B:LEU:HD22	1:20:B:THR:HG23	9	0.15
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	12	0.15
(2,3860)	1:63:B:ASP:HB3	1:60:B:LEU:HD11	13	0.15
(2,3859)	1:63:A:ASP:HB3	1:60:A:LEU:HD11	13	0.15
(2,3855)	1:23:A:LEU:HD22	1:24:A:ASN:HD21	2	0.15
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD22	9	0.15
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	11	0.15
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD23	7	0.15
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD23	7	0.15
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD12	9	0.15
(2,3696)	1:40:B:LEU:H	1:35:B:LEU:HD11	13	0.15
(2,3695)	1:40:A:LEU:H	1:35:A:LEU:HD12	9	0.15
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	5	0.15
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	5	0.15
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD11	7	0.15
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD11	7	0.15
(2,3528)	1:35:B:LEU:HB2	1:35:B:LEU:HD23	12	0.15
(2,3527)	1:35:A:LEU:HB2	1:35:A:LEU:HD23	12	0.15
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	10	0.15
(2,3499)	1:27:A:GLN:HA	1:5:A:LEU:HD13	3	0.15
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE1	5	0.15
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	7	0.15
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD12	5	0.15
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD13	6	0.15
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD11	12	0.15
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD12	5	0.15
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD13	6	0.15
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD11	12	0.15
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	9	0.15
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	9	0.15
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	10	0.15
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	6	0.15
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	6	0.15
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	10	0.15
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	10	0.15
(2,3026)	1:27:B:GLN:HB3	1:28:B:THR:HG23	13	0.15
(2,3025)	1:27:A:GLN:HB3	1:28:A:THR:HG23	13	0.15
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD22	9	0.15
(2,2933)	1:48:A:PRO:HB2	1:47:A:ASP:HA	1	0.15
(2,2766)	1:34:B:GLU:HG2	1:33:B:LYS:HA	12	0.15
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2693)	1:7:A:GLU:H	1:7:A:GLU:HG3	5	0.15
(2,2687)	1:7:A:GLU:HG2	1:7:A:GLU:HA	14	0.15
(2,2488)	1:55:B:LEU:HB3	1:55:B:LEU:HD23	4	0.15
(2,2487)	1:55:A:LEU:HB3	1:55:A:LEU:HD23	4	0.15
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG23	4	0.15
(2,2430)	1:8:B:LEU:HB3	1:2:B:PRO:HB3	10	0.15
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	6	0.15
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	12	0.15
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	3	0.15
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	8	0.15
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	12	0.15
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	5	0.15
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	5	0.15
(2,2192)	1:37:B:GLU:H	1:36:B:ARG:HD3	14	0.15
(2,2191)	1:37:A:GLU:H	1:36:A:ARG:HD3	14	0.15
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	9	0.15
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	1	0.15
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	4	0.15
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	12	0.15
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	4	0.15
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	12	0.15
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	2	0.15
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	6	0.15
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB3	14	0.15
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	2	0.15
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	6	0.15
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB3	14	0.15
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	2	0.15
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	15	0.15
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	2	0.15
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	15	0.15
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	12	0.15
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD13	9	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	1	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	2	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	3	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	4	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	5	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	6	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	7	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	8	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	10	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	11	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	12	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	13	0.15
(2,1614)	1:32:B:PHE:HA	1:32:B:PHE:HB3	14	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	1	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	2	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	3	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	4	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	5	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	6	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	7	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	8	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	9	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	10	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	11	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	12	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	13	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	14	0.15
(2,1613)	1:32:A:PHE:HA	1:32:A:PHE:HB3	15	0.15
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	2	0.15
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	3	0.15
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	13	0.15
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	3	0.15
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	13	0.15
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	4	0.15
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	4	0.15
(2,1436)	1:18:B:THR:HA	1:9:B:LEU:HD21	13	0.15
(2,1435)	1:18:A:THR:HA	1:9:A:LEU:HD21	13	0.15
(2,1411)	1:66:A:THR:HB	1:64:B:TYR:HE1	1	0.15
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	12	0.15
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	12	0.15
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	12	0.15
(2,1293)	1:8:A:LEU:H	1:6:A:HIS:HB2	13	0.15
(2,1193)	1:41:A:ASN:HD21	1:37:A:GLU:HG3	3	0.15
(2,1161)	1:69:A:GLU:H	1:69:A:GLU:HB3	9	0.15
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	3	0.15
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	3	0.15
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	7	0.15
(2,1104)	1:63:B:ASP:H	1:63:B:ASP:HB3	4	0.15
(2,1103)	1:63:A:ASP:H	1:63:A:ASP:HB3	4	0.15
(2,895)	1:47:A:ASP:H	1:50:A:HIS:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	7	0.15
(2,828)	1:44:B:ASN:H	1:45:B:ILE:HD13	6	0.15
(2,827)	1:44:A:ASN:H	1:45:A:ILE:HD13	6	0.15
(2,706)	1:38:B:THR:H	1:37:B:GLU:HG3	10	0.15
(2,705)	1:38:A:THR:H	1:37:A:GLU:HG3	10	0.15
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	2	0.15
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	2	0.15
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	7	0.15
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	7	0.15
(2,95)	1:59:A:GLU:H	1:12:B:ILE:HG23	2	0.15
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD23	4	0.15
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD22	6	0.15
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	11	0.15
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB2	13	0.15
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB2	13	0.15
(1,3158)	1:66:B:THR:HG21	1:63:A:ASP:HB3	4	0.15
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	1	0.15
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	7	0.15
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	12	0.15
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	13	0.15
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	13	0.15
(1,3123)	1:11:A:ARG:HB3	1:60:B:LEU:H	13	0.15
(1,3081)	1:60:A:LEU:HD11	1:11:B:ARG:HB3	4	0.15
(1,3024)	1:62:B:LEU:H	1:64:B:TYR:HE2	11	0.15
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	7	0.15
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	8	0.15
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	8	0.15
(1,2970)	1:9:B:LEU:HD11	1:16:B:GLU:HB3	7	0.15
(1,2970)	1:9:B:LEU:HD11	1:16:B:GLU:HB3	11	0.15
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB2	14	0.15
(1,2969)	1:9:A:LEU:HD11	1:16:A:GLU:HB3	11	0.15
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB2	14	0.15
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD2	4	0.15
(1,2948)	1:60:B:LEU:HD22	1:64:B:TYR:HD1	5	0.15
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD2	4	0.15
(1,2947)	1:60:A:LEU:HD22	1:64:A:TYR:HD1	5	0.15
(1,2934)	1:14:B:LEU:HD11	1:16:B:GLU:HA	10	0.15
(1,2926)	1:49:B:GLN:HG3	1:50:B:HIS:H	7	0.15
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	4	0.15
(1,2866)	1:7:B:GLU:HG3	1:3:B:LYS:HA	1	0.15
(1,2865)	1:7:A:GLU:HG3	1:3:A:LYS:HA	1	0.15
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD11	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD13	11	0.15
(1,2848)	1:43:B:LEU:HB2	1:45:B:ILE:HD13	15	0.15
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD11	4	0.15
(1,2847)	1:43:A:LEU:HB2	1:45:A:ILE:HD12	9	0.15
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD13	11	0.15
(1,2847)	1:43:A:LEU:HB2	1:45:A:ILE:HD13	15	0.15
(1,2782)	1:12:B:ILE:HG21	1:59:A:GLU:H	5	0.15
(1,2781)	1:12:A:ILE:HG21	1:59:B:GLU:H	9	0.15
(1,2781)	1:12:A:ILE:HG22	1:59:B:GLU:H	10	0.15
(1,2744)	1:33:B:LYS:HB3	1:58:B:ALA:HB3	10	0.15
(1,2743)	1:33:A:LYS:HB3	1:58:A:ALA:HB3	10	0.15
(1,2733)	1:52:A:ALA:HB2	1:50:B:HIS:H	12	0.15
(1,2662)	1:15:B:GLU:HA	1:9:B:LEU:HD13	15	0.15
(1,2661)	1:15:A:GLU:HA	1:9:A:LEU:HD13	15	0.15
(1,2654)	1:9:B:LEU:HD13	1:12:B:ILE:HD13	1	0.15
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD11	15	0.15
(1,2653)	1:9:A:LEU:HD13	1:12:A:ILE:HD13	1	0.15
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD11	15	0.15
(1,2604)	1:59:B:GLU:H	1:60:B:LEU:HD13	9	0.15
(1,2603)	1:59:A:GLU:H	1:60:A:LEU:HD13	9	0.15
(1,2547)	1:5:A:LEU:HD21	1:9:A:LEU:H	10	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD23	3	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	4	0.15
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD23	14	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD23	3	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	4	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD23	14	0.15
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	15	0.15
(1,2492)	1:40:B:LEU:HB2	1:35:B:LEU:HD11	2	0.15
(1,2491)	1:40:A:LEU:HB2	1:35:A:LEU:HD11	2	0.15
(1,2490)	1:35:B:LEU:HD11	1:40:B:LEU:HG	3	0.15
(1,2489)	1:35:A:LEU:HD11	1:40:A:LEU:HG	3	0.15
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	11	0.15
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	12	0.15
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	12	0.15
(1,2464)	1:12:B:ILE:HG13	1:14:B:LEU:HB3	5	0.15
(1,2464)	1:12:B:ILE:HG13	1:14:B:LEU:HB3	12	0.15
(1,2463)	1:12:A:ILE:HG13	1:14:A:LEU:HB3	5	0.15
(1,2463)	1:12:A:ILE:HG13	1:14:A:LEU:HB3	12	0.15
(1,2427)	1:29:A:LEU:H	1:29:A:LEU:HD12	10	0.15
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD11	7	0.15
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD11	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD11	7	0.15
(1,2288)	1:54:B:LEU:H	1:55:B:LEU:HG	9	0.15
(1,2287)	1:54:A:LEU:H	1:55:A:LEU:HG	9	0.15
(1,2278)	1:54:B:LEU:HD12	1:51:B:ARG:H	15	0.15
(1,2277)	1:54:A:LEU:HD12	1:51:A:ARG:H	15	0.15
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD11	8	0.15
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	5	0.15
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	5	0.15
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	3	0.15
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	3	0.15
(1,2171)	1:3:A:LYS:HD2	1:3:A:LYS:HB3	9	0.15
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	1	0.15
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	10	0.15
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	7	0.15
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	14	0.15
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	14	0.15
(1,1880)	1:22:B:LEU:H	1:27:B:GLN:HG2	7	0.15
(1,1879)	1:22:A:LEU:H	1:27:A:GLN:HG2	7	0.15
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	8	0.15
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	9	0.15
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD12	4	0.15
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD21	8	0.15
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG21	13	0.15
(1,1629)	1:65:A:ASP:HB3	1:66:A:THR:HG21	14	0.15
(1,1610)	1:61:B:LEU:H	1:60:B:LEU:HB3	6	0.15
(1,1610)	1:61:B:LEU:H	1:60:B:LEU:HB3	7	0.15
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	1	0.15
(1,1548)	1:61:B:LEU:HB2	1:64:B:TYR:HD1	7	0.15
(1,1547)	1:61:A:LEU:HB2	1:64:A:TYR:HD1	7	0.15
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	6	0.15
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	6	0.15
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	7	0.15
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	1	0.15
(1,1501)	1:31:A:ASP:HB2	1:33:A:LYS:HG3	8	0.15
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD12	3	0.15
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD13	2	0.15
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD12	3	0.15
(1,1460)	1:11:B:ARG:H	1:11:B:ARG:HD2	5	0.15
(1,1459)	1:11:A:ARG:H	1:11:A:ARG:HD2	5	0.15
(1,1438)	1:36:B:ARG:HD3	1:59:B:GLU:H	10	0.15
(1,1348)	1:2:B:PRO:HD2	1:60:A:LEU:HA	14	0.15
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD23	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD23	2	0.15
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	5	0.15
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	10	0.15
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	11	0.15
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	2	0.15
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	3	0.15
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	14	0.15
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	2	0.15
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	3	0.15
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	7	0.15
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	4	0.15
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	12	0.15
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	4	0.15
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	12	0.15
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	10	0.15
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	10	0.15
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	11	0.15
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	10	0.15
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	11	0.15
(1,1208)	1:9:B:LEU:HA	1:15:B:GLU:HB3	1	0.15
(1,1207)	1:9:A:LEU:HA	1:15:A:GLU:HB3	1	0.15
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	3	0.15
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	3	0.15
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	4	0.15
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	10	0.15
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	3	0.15
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	4	0.15
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	10	0.15
(1,1139)	1:64:A:TYR:HA	1:2:B:PRO:HD2	5	0.15
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	1	0.15
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	9	0.15
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	1	0.15
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	9	0.15
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	1	0.15
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	2	0.15
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	5	0.15
(1,946)	1:39:B:HIS:H	1:38:B:THR:HA	11	0.15
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	1	0.15
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	2	0.15
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	5	0.15
(1,945)	1:39:A:HIS:H	1:38:A:THR:HA	11	0.15
(1,834)	1:8:B:LEU:H	1:29:B:LEU:HG	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:8:A:LEU:H	1:29:A:LEU:HG	8	0.15
(1,795)	1:68:A:CYS:H	1:69:A:GLU:H	10	0.15
(1,766)	1:67:B:GLY:H	1:64:B:TYR:HB2	5	0.15
(1,765)	1:67:A:GLY:H	1:64:A:TYR:HB2	5	0.15
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	4	0.15
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	4	0.15
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	13	0.15
(1,728)	1:64:B:TYR:H	1:61:B:LEU:HD22	14	0.15
(1,727)	1:64:A:TYR:H	1:61:A:LEU:HD22	14	0.15
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	2	0.15
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD23	4	0.15
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD23	4	0.15
(1,684)	1:61:B:LEU:H	1:59:B:GLU:HB3	14	0.15
(1,683)	1:61:A:LEU:H	1:59:A:GLU:HB3	14	0.15
(1,682)	1:61:B:LEU:H	1:60:B:LEU:HB2	1	0.15
(1,681)	1:61:A:LEU:H	1:60:A:LEU:HB2	1	0.15
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD13	5	0.15
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD12	14	0.15
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD12	14	0.15
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB1	10	0.15
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB1	10	0.15
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB3	11	0.15
(1,576)	1:54:B:LEU:H	1:54:B:LEU:HD13	14	0.15
(1,575)	1:54:A:LEU:H	1:54:A:LEU:HD13	14	0.15
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	8	0.15
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	10	0.15
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	12	0.15
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	8	0.15
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	3	0.15
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	7	0.15
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	3	0.15
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	7	0.15
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	14	0.15
(1,472)	1:41:B:ASN:H	1:55:B:LEU:HD21	15	0.15
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD21	9	0.15
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD21	9	0.15
(1,425)	1:35:A:LEU:H	1:32:A:PHE:HB2	9	0.15
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD23	15	0.15
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD23	15	0.15
(1,351)	1:30:A:GLU:H	1:31:A:ASP:HB3	15	0.15
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD22	10	0.15
(1,249)	1:20:A:THR:H	1:22:A:LEU:HB3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD13	13	0.15
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	4	0.15
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	11	0.15
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	12	0.15
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	9	0.15
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	9	0.15
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	12	0.15
(2,4920)	1:60:B:LEU:HD21	1:8:A:LEU:HG	3	0.14
(2,4919)	1:60:A:LEU:HD23	1:8:B:LEU:HG	11	0.14
(2,4870)	1:49:B:GLN:HG2	1:48:A:PRO:HB3	11	0.14
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	10	0.14
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	10	0.14
(2,4771)	1:61:A:LEU:HD11	1:64:B:TYR:HD1	1	0.14
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB1	6	0.14
(2,4768)	1:60:B:LEU:HD23	1:57:A:ALA:HB3	15	0.14
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB2	14	0.14
(2,4760)	1:8:B:LEU:HD23	1:60:A:LEU:HA	8	0.14
(2,4759)	1:8:A:LEU:HD23	1:60:B:LEU:HA	13	0.14
(2,4708)	1:64:B:TYR:HE1	1:8:A:LEU:HD11	12	0.14
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	3	0.14
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	3	0.14
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	7	0.14
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	4	0.14
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	4	0.14
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	13	0.14
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	6	0.14
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	11	0.14
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	6	0.14
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	11	0.14
(2,4658)	1:6:B:HIS:HB2	1:6:B:HIS:HD2	8	0.14
(2,4657)	1:6:A:HIS:HB2	1:6:A:HIS:HD2	8	0.14
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE2	15	0.14
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE2	15	0.14
(2,4580)	1:32:B:PHE:HA	1:26:B:TYR:HE2	2	0.14
(2,4552)	1:31:B:ASP:H	1:32:B:PHE:HD1	15	0.14
(2,4551)	1:31:A:ASP:H	1:32:A:PHE:HD1	15	0.14
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD13	13	0.14
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD13	13	0.14
(2,4418)	1:8:B:LEU:HD12	1:32:B:PHE:HD1	1	0.14
(2,4417)	1:8:A:LEU:HD12	1:32:A:PHE:HD1	1	0.14
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	12	0.14
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	7	0.14
(2,4294)	1:8:B:LEU:HD13	1:2:B:PRO:HG2	15	0.14
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	7	0.14
(2,4293)	1:8:A:LEU:HD13	1:2:A:PRO:HG2	15	0.14
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	1	0.14
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	1	0.14
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	7	0.14
(2,4161)	1:12:A:ILE:HD12	1:11:A:ARG:H	3	0.14
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG21	2	0.14
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG21	9	0.14
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG21	2	0.14
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG21	9	0.14
(2,4124)	1:45:B:ILE:HG21	1:51:B:ARG:HA	2	0.14
(2,4123)	1:45:A:ILE:HG21	1:51:A:ARG:HA	2	0.14
(2,4122)	1:50:B:HIS:HB2	1:45:B:ILE:HG23	15	0.14
(2,4121)	1:50:A:HIS:HB2	1:45:A:ILE:HG23	15	0.14
(2,4120)	1:50:B:HIS:HB3	1:45:B:ILE:HG21	15	0.14
(2,4119)	1:50:A:HIS:HB3	1:45:A:ILE:HG21	15	0.14
(2,4046)	1:55:B:LEU:HD12	1:58:B:ALA:HB3	14	0.14
(2,4045)	1:55:A:LEU:HD12	1:58:A:ALA:HB3	14	0.14
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG21	8	0.14
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG21	8	0.14
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG21	6	0.14
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG22	3	0.14
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG23	7	0.14
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG23	1	0.14
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG22	3	0.14
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG23	7	0.14
(2,3929)	1:37:A:GLU:HB2	1:55:A:LEU:HD12	15	0.14
(2,3907)	1:13:A:GLY:HA3	1:14:A:LEU:HD12	7	0.14
(2,3856)	1:23:B:LEU:HD21	1:24:B:ASN:HD21	4	0.14
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD21	10	0.14
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD21	10	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD22	2	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD23	3	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	6	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	7	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	8	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	9	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD23	10	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD22	12	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	14	0.14
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD22	15	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD22	2	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD23	3	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	7	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	8	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	9	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD23	10	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD22	12	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	13	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	14	0.14
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD22	15	0.14
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	11	0.14
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	5	0.14
(2,3662)	1:40:B:LEU:HD12	1:37:B:GLU:HA	1	0.14
(2,3661)	1:40:A:LEU:HD12	1:37:A:GLU:HA	1	0.14
(2,3625)	1:3:A:LYS:HA	1:3:A:LYS:HG3	15	0.14
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD13	12	0.14
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD13	12	0.14
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD12	7	0.14
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD12	7	0.14
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD12	7	0.14
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD12	7	0.14
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD11	3	0.14
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD13	10	0.14
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD11	3	0.14
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD13	10	0.14
(2,3556)	1:8:B:LEU:HD12	1:32:B:PHE:HZ	3	0.14
(2,3555)	1:8:A:LEU:HD12	1:32:A:PHE:HZ	3	0.14
(2,3500)	1:27:B:GLN:HA	1:5:B:LEU:HD13	3	0.14
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE1	5	0.14
(2,3408)	1:11:B:ARG:HG2	1:64:A:TYR:HE1	10	0.14
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	7	0.14
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	10	0.14
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	10	0.14
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	1	0.14
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	1	0.14
(2,3292)	1:48:B:PRO:HG2	1:49:A:GLN:HE22	1	0.14
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD12	10	0.14
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD12	11	0.14
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD12	11	0.14
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	13	0.14
(2,3186)	1:7:B:GLU:H	1:6:B:HIS:HB2	8	0.14
(2,3126)	1:51:B:ARG:HG2	1:50:B:HIS:H	12	0.14
(2,3125)	1:51:A:ARG:HG2	1:50:A:HIS:H	12	0.14
(2,2934)	1:48:B:PRO:HB2	1:47:B:ASP:HA	1	0.14
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	13	0.14
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	7	0.14
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	12	0.14
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	12	0.14
(2,2716)	1:10:B:GLU:HG3	1:10:B:GLU:HA	9	0.14
(2,2686)	1:7:B:GLU:HG2	1:6:B:HIS:HB2	12	0.14
(2,2521)	1:24:A:ASN:HB3	1:20:A:THR:HG21	8	0.14
(2,2444)	1:65:B:ASP:HB3	1:62:B:LEU:HD13	2	0.14
(2,2444)	1:65:B:ASP:HB3	1:62:B:LEU:HD11	6	0.14
(2,2443)	1:65:A:ASP:HB3	1:62:A:LEU:HD13	2	0.14
(2,2443)	1:65:A:ASP:HB3	1:62:A:LEU:HD11	6	0.14
(2,2440)	1:65:B:ASP:HB2	1:30:B:GLU:HA	3	0.14
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG23	4	0.14
(2,2429)	1:8:A:LEU:HB3	1:2:A:PRO:HB3	10	0.14
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	3	0.14
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	3	0.14
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	9	0.14
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	9	0.14
(2,2196)	1:11:B:ARG:HD3	1:59:A:GLU:HB2	14	0.14
(2,2195)	1:11:A:ARG:HD3	1:59:B:GLU:HB2	14	0.14
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	4	0.14
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	10	0.14
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	9	0.14
(2,2062)	1:24:B:ASN:HA	1:43:B:LEU:HD11	2	0.14
(2,2022)	1:63:B:ASP:HA	1:63:B:ASP:HB2	6	0.14
(2,2021)	1:63:A:ASP:HA	1:63:A:ASP:HB2	6	0.14
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	13	0.14
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	13	0.14
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD13	9	0.14
(2,1536)	1:2:B:PRO:HA	1:64:A:TYR:HE2	13	0.14
(2,1535)	1:2:A:PRO:HA	1:64:B:TYR:HE2	13	0.14
(2,1528)	1:2:B:PRO:HA	1:3:B:LYS:HG2	7	0.14
(2,1517)	1:38:A:THR:HA	1:40:A:LEU:HB3	7	0.14
(2,1412)	1:66:B:THR:HB	1:64:A:TYR:HE1	1	0.14
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	5	0.14
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	5	0.14
(2,1294)	1:8:B:LEU:H	1:6:B:HIS:HB2	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1270)	1:44:B:ASN:HD22	1:45:B:ILE:HA	7	0.14
(2,1194)	1:41:B:ASN:HD21	1:37:B:GLU:HG3	3	0.14
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	5	0.14
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	7	0.14
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	5	0.14
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	11	0.14
(2,1016)	1:56:B:THR:H	1:55:B:LEU:HD12	7	0.14
(2,1015)	1:56:A:THR:H	1:55:A:LEU:HD12	7	0.14
(2,868)	1:46:B:MET:H	1:45:B:ILE:HG22	5	0.14
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	7	0.14
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD12	1	0.14
(2,809)	1:43:A:LEU:H	1:45:A:ILE:HD12	1	0.14
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD11	15	0.14
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD11	15	0.14
(2,790)	1:42:B:GLU:H	1:43:B:LEU:HD11	14	0.14
(2,789)	1:42:A:GLU:H	1:43:A:LEU:HD11	14	0.14
(2,739)	1:40:A:LEU:H	1:43:A:LEU:HD11	14	0.14
(2,622)	1:33:B:LYS:H	1:33:B:LYS:HG3	7	0.14
(2,621)	1:33:A:LYS:H	1:33:A:LYS:HG3	7	0.14
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	10	0.14
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	11	0.14
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	11	0.14
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD23	13	0.14
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD23	13	0.14
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	3	0.14
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	6	0.14
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	6	0.14
(2,136)	1:4:B:THR:H	1:7:B:GLU:HA	8	0.14
(2,135)	1:4:A:THR:H	1:7:A:GLU:HA	8	0.14
(2,96)	1:59:B:GLU:H	1:12:A:ILE:HG23	2	0.14
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	3	0.14
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD21	5	0.14
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	12	0.14
(1,3136)	1:55:B:LEU:HD22	1:49:A:GLN:HB3	3	0.14
(1,3133)	1:55:A:LEU:HD22	1:53:B:LYS:HD2	9	0.14
(1,3128)	1:49:B:GLN:HB3	1:49:A:GLN:HA	5	0.14
(1,3127)	1:49:A:GLN:HB3	1:49:B:GLN:HA	5	0.14
(1,3102)	1:49:B:GLN:HG3	1:49:A:GLN:HA	15	0.14
(1,3101)	1:49:A:GLN:HG3	1:49:B:GLN:HA	15	0.14
(1,3098)	1:53:B:LYS:HB2	1:53:A:LYS:H	6	0.14
(1,3097)	1:53:A:LYS:HB2	1:53:B:LYS:H	6	0.14
(1,3082)	1:60:B:LEU:HD11	1:11:A:ARG:HB3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD23	3	0.14
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD23	11	0.14
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD21	13	0.14
(1,3022)	1:64:B:TYR:HE2	1:65:A:ASP:H	15	0.14
(1,3021)	1:64:A:TYR:HE1	1:65:B:ASP:H	11	0.14
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	4	0.14
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	4	0.14
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB3	8	0.14
(1,2970)	1:9:B:LEU:HD12	1:11:B:ARG:HB3	15	0.14
(1,2969)	1:9:A:LEU:HD11	1:16:A:GLU:HB3	7	0.14
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB3	8	0.14
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD2	5	0.14
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	11	0.14
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	4	0.14
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	11	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD11	2	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD13	6	0.14
(1,2848)	1:43:B:LEU:HB2	1:45:B:ILE:HD12	9	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD13	12	0.14
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	13	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD11	2	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD13	6	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD13	12	0.14
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	13	0.14
(1,2781)	1:12:A:ILE:HG21	1:59:B:GLU:H	11	0.14
(1,2753)	1:55:A:LEU:HA	1:58:A:ALA:HB2	13	0.14
(1,2686)	1:66:B:THR:HA	1:66:B:THR:HG21	15	0.14
(1,2642)	1:55:B:LEU:HD11	1:54:B:LEU:HB2	6	0.14
(1,2641)	1:55:A:LEU:HD11	1:54:A:LEU:HB2	6	0.14
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD21	3	0.14
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	7	0.14
(1,2548)	1:5:B:LEU:HD21	1:9:B:LEU:H	10	0.14
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD21	3	0.14
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	4	0.14
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	7	0.14
(1,2544)	1:8:B:LEU:H	1:5:B:LEU:HD21	13	0.14
(1,2543)	1:8:A:LEU:H	1:5:A:LEU:HD21	13	0.14
(1,2542)	1:5:B:LEU:HD22	1:21:B:LEU:HB2	4	0.14
(1,2541)	1:5:A:LEU:HD22	1:21:A:LEU:HB2	4	0.14
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD23	4	0.14
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD22	6	0.14
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD23	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD22	6	0.14
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD21	2	0.14
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD21	8	0.14
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	15	0.14
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD21	2	0.14
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD21	8	0.14
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	2	0.14
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	6	0.14
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	2	0.14
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	6	0.14
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	11	0.14
(1,2440)	1:42:B:GLU:HG2	1:43:B:LEU:HD12	1	0.14
(1,2440)	1:26:B:TYR:HB2	1:43:B:LEU:HD13	12	0.14
(1,2439)	1:42:A:GLU:HG2	1:43:A:LEU:HD12	1	0.14
(1,2439)	1:26:A:TYR:HB2	1:43:A:LEU:HD13	12	0.14
(1,2428)	1:29:B:LEU:H	1:29:B:LEU:HD12	10	0.14
(1,2420)	1:59:B:GLU:H	1:62:B:LEU:HD21	11	0.14
(1,2419)	1:59:A:GLU:H	1:62:A:LEU:HD21	11	0.14
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD11	8	0.14
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	12	0.14
(1,2186)	1:53:B:LYS:HB3	1:14:B:LEU:HD23	8	0.14
(1,2185)	1:53:A:LYS:HB3	1:14:A:LEU:HD23	8	0.14
(1,2172)	1:3:B:LYS:HD2	1:3:B:LYS:HB3	9	0.14
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	15	0.14
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	15	0.14
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	3	0.14
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	10	0.14
(1,2094)	1:13:B:GLY:HA3	1:53:B:LYS:HD3	15	0.14
(1,2093)	1:13:A:GLY:HA3	1:53:A:LYS:HD3	15	0.14
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	6	0.14
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	8	0.14
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	6	0.14
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	8	0.14
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	5	0.14
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	5	0.14
(1,1880)	1:22:B:LEU:H	1:27:B:GLN:HG2	10	0.14
(1,1879)	1:22:A:LEU:H	1:27:A:GLN:HG2	10	0.14
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	1	0.14
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	1	0.14
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	7	0.14
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	7	0.14
(1,1822)	1:7:B:GLU:HG2	1:7:B:GLU:HB2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:7:B:GLU:HG2	1:7:B:GLU:HB2	12	0.14
(1,1821)	1:7:A:GLU:HG2	1:7:A:GLU:HB2	7	0.14
(1,1821)	1:7:A:GLU:HG2	1:7:A:GLU:HB2	12	0.14
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	9	0.14
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	12	0.14
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	12	0.14
(1,1805)	1:37:A:GLU:HG3	1:55:A:LEU:HD13	6	0.14
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	15	0.14
(1,1732)	1:64:B:TYR:HB2	1:60:B:LEU:HD22	5	0.14
(1,1731)	1:64:A:TYR:HB2	1:60:A:LEU:HD22	5	0.14
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD13	13	0.14
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD13	13	0.14
(1,1678)	1:24:B:ASN:HB3	1:43:B:LEU:HD11	9	0.14
(1,1677)	1:24:A:ASN:HB3	1:43:A:LEU:HD11	9	0.14
(1,1630)	1:65:B:ASP:HB3	1:66:B:THR:HG21	14	0.14
(1,1609)	1:61:A:LEU:H	1:60:A:LEU:HB3	6	0.14
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	7	0.14
(1,1528)	1:53:B:LYS:HE2	1:59:A:GLU:HG3	10	0.14
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	1	0.14
(1,1527)	1:53:A:LYS:HE2	1:59:B:GLU:HG3	10	0.14
(1,1502)	1:31:B:ASP:HB2	1:33:B:LYS:HG3	8	0.14
(1,1432)	1:38:B:THR:H	1:36:B:ARG:HD2	15	0.14
(1,1431)	1:38:A:THR:H	1:36:A:ARG:HD2	15	0.14
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	10	0.14
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	10	0.14
(1,1347)	1:2:A:PRO:HD2	1:60:B:LEU:HA	14	0.14
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD21	13	0.14
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD21	13	0.14
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	3	0.14
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	5	0.14
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	10	0.14
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	14	0.14
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	15	0.14
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	15	0.14
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	2	0.14
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	5	0.14
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	10	0.14
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	14	0.14
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	2	0.14
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	5	0.14
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	7	0.14
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	10	0.14
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	10	0.14
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	1	0.14
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	9	0.14
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	1	0.14
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	6	0.14
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	1	0.14
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	6	0.14
(1,1110)	1:7:B:GLU:HA	1:5:B:LEU:HD21	9	0.14
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	13	0.14
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	13	0.14
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD23	15	0.14
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD23	15	0.14
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	2	0.14
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	2	0.14
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	4	0.14
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	3	0.14
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	3	0.14
(1,796)	1:68:B:CYS:H	1:69:B:GLU:H	10	0.14
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	2	0.14
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	13	0.14
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	7	0.14
(1,638)	1:58:B:ALA:H	1:61:B:LEU:HD13	13	0.14
(1,637)	1:58:A:ALA:H	1:61:A:LEU:HD13	13	0.14
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	3	0.14
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	9	0.14
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	3	0.14
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD13	5	0.14
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	9	0.14
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB3	15	0.14
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB3	15	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	4	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	5	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE2	6	0.14
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	14	0.14
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	4	0.14
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE2	6	0.14
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	12	0.14
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	14	0.14
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	6	0.14
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	11	0.14
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	6	0.14
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	11	0.14
(1,492)	1:43:B:LEU:H	1:41:B:ASN:HB2	15	0.14
(1,491)	1:43:A:LEU:H	1:41:A:ASN:HB2	15	0.14
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	4	0.14
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	4	0.14
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	7	0.14
(1,300)	1:25:B:GLY:H	1:23:B:LEU:HB2	13	0.14
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	7	0.14
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	5	0.14
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	5	0.14
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD22	10	0.14
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	5	0.14
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	8	0.14
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	5	0.14
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	8	0.14
(1,244)	1:20:B:THR:H	1:21:B:LEU:HD11	15	0.14
(1,243)	1:20:A:THR:H	1:21:A:LEU:HD11	15	0.14
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD12	15	0.14
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD12	15	0.14
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD22	6	0.14
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD22	6	0.14
(1,98)	1:5:B:LEU:H	1:4:B:THR:HG23	10	0.14
(1,97)	1:5:A:LEU:H	1:4:A:THR:HG23	10	0.14
(1,54)	1:36:B:ARG:H	1:35:B:LEU:HB2	14	0.14
(1,53)	1:36:A:ARG:H	1:35:A:LEU:HB2	14	0.14
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	1	0.14
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	1	0.14
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	4	0.14
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	11	0.14
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	2	0.14
(1,50)	1:36:B:ARG:H	1:36:B:ARG:HB3	12	0.14
(1,49)	1:36:A:ARG:H	1:36:A:ARG:HB3	2	0.14
(1,22)	1:55:B:LEU:H	1:53:A:LYS:HD2	5	0.14
(2,4856)	1:56:B:THR:HG23	1:53:A:LYS:HE2	13	0.13
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD23	8	0.13
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	10	0.13
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	6	0.13
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB3	7	0.13
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB2	11	0.13
(2,4747)	1:60:A:LEU:HD11	1:57:B:ALA:HB3	15	0.13
(2,4738)	1:12:B:ILE:HG21	1:56:A:THR:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	13	0.13
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD2	7	0.13
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	2	0.13
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	13	0.13
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	2	0.13
(2,4582)	1:25:B:GLY:H	1:26:B:TYR:HE1	8	0.13
(2,4579)	1:32:A:PHE:HA	1:26:A:TYR:HE2	2	0.13
(2,4356)	1:34:B:GLU:HG2	1:26:B:TYR:HE1	12	0.13
(2,4355)	1:34:A:GLU:HG2	1:26:A:TYR:HE1	12	0.13
(2,4294)	1:8:B:LEU:HD11	1:2:B:PRO:HG2	3	0.13
(2,4293)	1:8:A:LEU:HD11	1:2:A:PRO:HG2	3	0.13
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	12	0.13
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	12	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	2	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	3	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	4	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	5	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	7	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	10	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	12	0.13
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	14	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	2	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	3	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	4	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	7	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	10	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	12	0.13
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	14	0.13
(2,4042)	1:35:B:LEU:HD13	1:58:B:ALA:HB2	4	0.13
(2,4041)	1:35:A:LEU:HD13	1:58:A:ALA:HB2	4	0.13
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB1	5	0.13
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	7	0.13
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB1	5	0.13
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	7	0.13
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG21	6	0.13
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG23	1	0.13
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG22	6	0.13
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG22	6	0.13
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	1	0.13
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	11	0.13
(2,3962)	1:9:B:LEU:HD13	1:17:B:HIS:HB3	13	0.13
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	11	0.13
(2,3961)	1:9:A:LEU:HD13	1:17:A:HIS:HB3	13	0.13
(2,3930)	1:37:B:GLU:HB2	1:55:B:LEU:HD12	15	0.13
(2,3891)	1:21:A:LEU:H	1:20:A:THR:HG21	3	0.13
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	6	0.13
(2,3864)	1:60:B:LEU:HD11	1:12:A:ILE:HA	14	0.13
(2,3855)	1:23:A:LEU:HD21	1:24:A:ASN:HD21	4	0.13
(2,3844)	1:43:B:LEU:HD22	1:26:B:TYR:HD2	10	0.13
(2,3843)	1:43:A:LEU:HD22	1:26:A:TYR:HD2	10	0.13
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD23	1	0.13
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD22	4	0.13
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD21	5	0.13
(2,3836)	1:43:B:LEU:HG	1:43:B:LEU:HD23	11	0.13
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD23	1	0.13
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD22	4	0.13
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	5	0.13
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD21	6	0.13
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	5	0.13
(2,3721)	1:27:A:GLN:HG2	1:22:A:LEU:HD13	5	0.13
(2,3721)	1:27:A:GLN:HG2	1:22:A:LEU:HD13	7	0.13
(2,3661)	1:40:A:LEU:HD13	1:37:A:GLU:HA	11	0.13
(2,3626)	1:3:B:LYS:HA	1:3:B:LYS:HG3	15	0.13
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD13	13	0.13
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD13	13	0.13
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD12	9	0.13
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD12	9	0.13
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD22	6	0.13
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD22	6	0.13
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD13	15	0.13
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD13	15	0.13
(2,3556)	1:8:B:LEU:HD12	1:32:B:PHE:HZ	2	0.13
(2,3555)	1:8:A:LEU:HD12	1:32:A:PHE:HZ	2	0.13
(2,3516)	1:13:B:GLY:H	1:14:B:LEU:HG	11	0.13
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	1	0.13
(2,3442)	1:17:B:HIS:HB2	1:21:B:LEU:HD21	12	0.13
(2,3441)	1:17:A:HIS:HB2	1:21:A:LEU:HD21	12	0.13
(2,3436)	1:21:B:LEU:HD21	1:21:B:LEU:HD12	1	0.13
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD13	3	0.13
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD13	9	0.13
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD11	10	0.13
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD12	13	0.13
(2,3435)	1:21:A:LEU:HD21	1:21:A:LEU:HD12	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD13	3	0.13
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD13	9	0.13
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD11	10	0.13
(2,3407)	1:11:A:ARG:HG2	1:64:B:TYR:HE1	10	0.13
(2,3404)	1:11:B:ARG:HG2	1:8:B:LEU:HA	1	0.13
(2,3403)	1:11:A:ARG:HG2	1:8:A:LEU:HA	1	0.13
(2,3382)	1:54:B:LEU:HD13	1:55:B:LEU:H	14	0.13
(2,3381)	1:54:A:LEU:HD13	1:55:A:LEU:H	14	0.13
(2,3291)	1:48:A:PRO:HG2	1:49:B:GLN:HE22	1	0.13
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	2	0.13
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	4	0.13
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	10	0.13
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	11	0.13
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	13	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	2	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	4	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	9	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	10	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	11	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	13	0.13
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	15	0.13
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD12	1	0.13
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD12	13	0.13
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD13	15	0.13
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD12	10	0.13
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD12	13	0.13
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD13	15	0.13
(2,3185)	1:7:A:GLU:H	1:6:A:HIS:HB2	8	0.13
(2,3072)	1:17:B:HIS:HB3	1:18:B:THR:HB	2	0.13
(2,3071)	1:17:A:HIS:HB3	1:18:A:THR:HB	2	0.13
(2,2933)	1:48:A:PRO:HB2	1:47:A:ASP:HA	4	0.13
(2,2766)	1:34:B:GLU:HG2	1:33:B:LYS:HA	7	0.13
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	1	0.13
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	7	0.13
(2,2764)	1:34:B:GLU:HG2	1:34:B:GLU:HB3	2	0.13
(2,2764)	1:34:B:GLU:HG2	1:34:B:GLU:HB3	5	0.13
(2,2764)	1:34:B:GLU:HG2	1:34:B:GLU:HB3	9	0.13
(2,2763)	1:34:A:GLU:HG2	1:34:A:GLU:HB3	2	0.13
(2,2763)	1:34:A:GLU:HG2	1:34:A:GLU:HB3	5	0.13
(2,2763)	1:34:A:GLU:HG2	1:34:A:GLU:HB3	9	0.13
(2,2758)	1:34:B:GLU:HG3	1:34:B:GLU:HA	3	0.13
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2757)	1:34:A:GLU:HG3	1:34:A:GLU:HA	7	0.13
(2,2747)	1:42:A:GLU:H	1:42:A:GLU:HG2	12	0.13
(2,2715)	1:10:A:GLU:HG3	1:10:A:GLU:HA	9	0.13
(2,2693)	1:7:A:GLU:H	1:7:A:GLU:HG3	10	0.13
(2,2685)	1:7:A:GLU:HG2	1:6:A:HIS:HB2	12	0.13
(2,2522)	1:24:B:ASN:HB3	1:20:B:THR:HG21	8	0.13
(2,2520)	1:5:B:LEU:HB2	1:29:B:LEU:HB2	9	0.13
(2,2519)	1:5:A:LEU:HB2	1:29:A:LEU:HB2	9	0.13
(2,2486)	1:55:B:LEU:HB3	1:55:B:LEU:HD11	15	0.13
(2,2485)	1:55:A:LEU:HB3	1:55:A:LEU:HD11	15	0.13
(2,2472)	1:68:B:CYS:HB3	1:66:A:THR:HG22	8	0.13
(2,2439)	1:65:A:ASP:HB2	1:30:A:GLU:HA	3	0.13
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	3	0.13
(2,2306)	1:33:B:LYS:HE3	1:30:B:GLU:HG2	11	0.13
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	3	0.13
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	13	0.13
(2,2103)	1:47:A:ASP:HA	1:48:A:PRO:HD2	4	0.13
(2,2103)	1:47:A:ASP:HA	1:48:A:PRO:HD2	10	0.13
(2,2103)	1:47:A:ASP:HA	1:48:A:PRO:HD2	13	0.13
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	15	0.13
(2,2061)	1:24:A:ASN:HA	1:43:A:LEU:HD11	2	0.13
(2,1800)	1:26:B:TYR:H	1:22:B:LEU:HA	15	0.13
(2,1799)	1:26:A:TYR:H	1:22:A:LEU:HA	15	0.13
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB2	8	0.13
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB2	8	0.13
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	8	0.13
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	8	0.13
(2,1602)	1:37:B:GLU:HA	1:36:B:ARG:HA	15	0.13
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	10	0.13
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	11	0.13
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	10	0.13
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	11	0.13
(2,1527)	1:2:A:PRO:HA	1:3:A:LYS:HG2	7	0.13
(2,1518)	1:38:B:THR:HA	1:40:B:LEU:HB3	7	0.13
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	14	0.13
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	9	0.13
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	14	0.13
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	11	0.13
(2,1318)	1:27:B:GLN:H	1:31:B:ASP:HB2	15	0.13
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	11	0.13
(2,1317)	1:27:A:GLN:H	1:31:A:ASP:HB2	15	0.13
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD11	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD11	15	0.13
(2,1269)	1:44:A:ASN:HD22	1:45:A:ILE:HA	7	0.13
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	11	0.13
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG21	8	0.13
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG21	8	0.13
(2,915)	1:50:A:HIS:H	1:45:A:ILE:HG23	15	0.13
(2,867)	1:46:A:MET:H	1:45:A:ILE:HG22	5	0.13
(2,828)	1:44:B:ASN:H	1:45:B:ILE:HD11	4	0.13
(2,827)	1:44:A:ASN:H	1:45:A:ILE:HD11	4	0.13
(2,740)	1:40:B:LEU:H	1:43:B:LEU:HD11	14	0.13
(2,701)	1:38:A:THR:H	1:36:A:ARG:HB2	8	0.13
(2,656)	1:35:B:LEU:H	1:58:B:ALA:HB3	12	0.13
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	8	0.13
(2,441)	1:24:A:ASN:H	1:25:A:GLY:HA3	10	0.13
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	3	0.13
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	3	0.13
(2,83)	1:67:A:GLY:H	1:69:B:GLU:H	10	0.13
(2,40)	1:52:B:ALA:H	1:53:A:LYS:HE3	1	0.13
(2,39)	1:52:A:ALA:H	1:53:B:LYS:HE3	1	0.13
(1,3134)	1:55:B:LEU:HD22	1:53:A:LYS:HD2	9	0.13
(1,3082)	1:60:B:LEU:HD13	1:11:A:ARG:HB3	8	0.13
(1,3081)	1:60:A:LEU:HD13	1:11:B:ARG:HB3	8	0.13
(1,3080)	1:56:B:THR:HG21	1:57:A:ALA:HA	13	0.13
(1,3079)	1:56:A:THR:HG21	1:57:B:ALA:HA	13	0.13
(1,3064)	1:64:B:TYR:HE2	1:2:A:PRO:HG3	13	0.13
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	6	0.13
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	6	0.13
(1,3022)	1:64:B:TYR:HE1	1:65:A:ASP:H	11	0.13
(1,3021)	1:64:A:TYR:HE2	1:65:B:ASP:H	7	0.13
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	14	0.13
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	1	0.13
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	3	0.13
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	5	0.13
(1,2969)	1:9:A:LEU:HD12	1:11:A:ARG:HB3	15	0.13
(1,2948)	1:60:B:LEU:HD23	1:64:B:TYR:HD1	7	0.13
(1,2947)	1:60:A:LEU:HD23	1:64:A:TYR:HD1	7	0.13
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	5	0.13
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	7	0.13
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD13	14	0.13
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	5	0.13
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	7	0.13
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD13	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2782)	1:12:B:ILE:HG22	1:59:A:GLU:H	10	0.13
(1,2754)	1:55:B:LEU:HA	1:58:B:ALA:HB2	13	0.13
(1,2712)	1:38:B:THR:HG22	1:39:B:HIS:HD2	3	0.13
(1,2711)	1:38:A:THR:HG22	1:39:A:HIS:HD2	3	0.13
(1,2703)	1:31:A:ASP:HB2	1:28:A:THR:HG21	9	0.13
(1,2685)	1:66:A:THR:HA	1:66:A:THR:HG21	15	0.13
(1,2662)	1:15:B:GLU:HA	1:9:B:LEU:HD13	13	0.13
(1,2661)	1:15:A:GLU:HA	1:9:A:LEU:HD13	13	0.13
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD12	13	0.13
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD12	13	0.13
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	4	0.13
(1,2548)	1:5:B:LEU:HD21	1:9:B:LEU:H	14	0.13
(1,2547)	1:5:A:LEU:HD21	1:9:A:LEU:H	14	0.13
(1,2544)	1:8:B:LEU:H	1:5:B:LEU:HD23	6	0.13
(1,2543)	1:8:A:LEU:H	1:5:A:LEU:HD23	6	0.13
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	12	0.13
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	12	0.13
(1,2508)	1:61:B:LEU:HD23	1:33:B:LYS:HA	2	0.13
(1,2507)	1:61:A:LEU:HD23	1:33:A:LYS:HA	2	0.13
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	5	0.13
(1,2470)	1:12:B:ILE:HG13	1:10:B:GLU:HA	14	0.13
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	5	0.13
(1,2469)	1:12:A:ILE:HG13	1:10:A:GLU:HA	14	0.13
(1,2464)	1:12:B:ILE:HG13	1:14:B:LEU:HB3	6	0.13
(1,2464)	1:12:B:ILE:HG13	1:14:B:LEU:HB3	13	0.13
(1,2463)	1:12:A:ILE:HG13	1:14:A:LEU:HB3	6	0.13
(1,2463)	1:12:A:ILE:HG13	1:14:A:LEU:HB3	13	0.13
(1,2437)	1:42:A:GLU:HB3	1:43:A:LEU:HD11	7	0.13
(1,2400)	1:8:B:LEU:HD12	1:11:B:ARG:HB2	14	0.13
(1,2399)	1:8:A:LEU:HD12	1:11:A:ARG:HB2	14	0.13
(1,2394)	1:35:B:LEU:HD23	1:39:B:HIS:H	6	0.13
(1,2393)	1:35:A:LEU:HD23	1:39:A:HIS:H	6	0.13
(1,2308)	1:45:B:ILE:HG12	1:40:B:LEU:HB2	8	0.13
(1,2307)	1:45:A:ILE:HG12	1:40:A:LEU:HB2	8	0.13
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	4	0.13
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	4	0.13
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	12	0.13
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	4	0.13
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	4	0.13
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	2	0.13
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	2	0.13
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	2	0.13
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	7	0.13
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	10	0.13
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	15	0.13
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	10	0.13
(1,1806)	1:37:B:GLU:HG3	1:55:B:LEU:HD13	6	0.13
(1,1746)	1:64:B:TYR:HB3	1:61:A:LEU:HD22	3	0.13
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD21	8	0.13
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	15	0.13
(1,1732)	1:64:B:TYR:HB2	1:60:B:LEU:HD22	13	0.13
(1,1731)	1:64:A:TYR:HB2	1:60:A:LEU:HD22	13	0.13
(1,1652)	1:63:B:ASP:HB3	1:62:B:LEU:HG	9	0.13
(1,1651)	1:63:A:ASP:HB3	1:62:A:LEU:HG	9	0.13
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	1	0.13
(1,1540)	1:3:B:LYS:HE2	1:3:B:LYS:HG3	13	0.13
(1,1508)	1:3:B:LYS:HE3	1:3:B:LYS:HB2	15	0.13
(1,1507)	1:3:A:LYS:HE3	1:3:A:LYS:HB2	15	0.13
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD11	13	0.13
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD11	13	0.13
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	4	0.13
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	4	0.13
(1,1340)	1:2:B:PRO:HD2	1:8:B:LEU:HD22	11	0.13
(1,1339)	1:2:A:PRO:HD2	1:8:A:LEU:HD22	11	0.13
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	10	0.13
(1,1260)	1:3:B:LYS:HA	1:3:B:LYS:HG2	13	0.13
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	10	0.13
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	13	0.13
(1,1238)	1:31:B:ASP:HA	1:30:B:GLU:HA	8	0.13
(1,1237)	1:31:A:ASP:HA	1:30:A:GLU:HA	8	0.13
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	7	0.13
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	8	0.13
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	9	0.13
(1,1212)	1:9:B:LEU:HA	1:10:B:GLU:HA	12	0.13
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	8	0.13
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	12	0.13
(1,1205)	1:9:A:LEU:HA	1:14:A:LEU:HB3	1	0.13
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	8	0.13
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	8	0.13
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	1	0.13
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	9	0.13
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	11	0.13
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	11	0.13
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	12	0.13
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	8	0.13
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	8	0.13
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	1	0.13
(1,1138)	1:64:B:TYR:HA	1:60:B:LEU:HG	12	0.13
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	12	0.13
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	11	0.13
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	11	0.13
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	15	0.13
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	15	0.13
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD21	9	0.13
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	12	0.13
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	12	0.13
(1,1008)	1:32:B:PHE:HA	1:61:B:LEU:HD13	5	0.13
(1,1007)	1:32:A:PHE:HA	1:61:A:LEU:HD13	5	0.13
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	11	0.13
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	14	0.13
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	14	0.13
(1,922)	1:56:B:THR:HA	1:59:B:GLU:HG2	9	0.13
(1,921)	1:56:A:THR:HA	1:59:A:GLU:HG2	9	0.13
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	4	0.13
(1,878)	1:20:B:THR:HB	1:22:B:LEU:HB3	15	0.13
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	1	0.13
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	11	0.13
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	2	0.13
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	11	0.13
(1,714)	1:63:B:ASP:H	1:62:B:LEU:HD22	12	0.13
(1,713)	1:63:A:ASP:H	1:62:A:LEU:HD22	12	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB1	1	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	8	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	13	0.13
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB3	14	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB1	1	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	8	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB1	9	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	13	0.13
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB3	14	0.13
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	9	0.13
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	5	0.13
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	9	0.13
(1,539)	1:50:A:HIS:H	1:52:A:ALA:HB2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	4	0.13
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	13	0.13
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	4	0.13
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	13	0.13
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	5	0.13
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	5	0.13
(1,485)	1:42:A:GLU:H	1:40:A:LEU:HB2	11	0.13
(1,416)	1:35:B:LEU:H	1:61:B:LEU:HD13	11	0.13
(1,415)	1:35:A:LEU:H	1:61:A:LEU:HD13	11	0.13
(1,398)	1:34:B:GLU:H	1:61:B:LEU:HD21	13	0.13
(1,397)	1:34:A:GLU:H	1:61:A:LEU:HD21	13	0.13
(1,299)	1:25:A:GLY:H	1:23:A:LEU:HB2	13	0.13
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD12	2	0.13
(1,282)	1:24:B:ASN:H	1:21:B:LEU:HD13	11	0.13
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD12	2	0.13
(1,281)	1:24:A:ASN:H	1:21:A:LEU:HD13	11	0.13
(1,232)	1:19:B:SER:H	1:5:B:LEU:HD11	2	0.13
(1,231)	1:19:A:SER:H	1:5:A:LEU:HD11	2	0.13
(1,187)	1:13:A:GLY:H	1:12:A:ILE:HD13	1	0.13
(1,148)	1:9:B:LEU:H	1:11:B:ARG:HB3	9	0.13
(1,147)	1:9:A:LEU:H	1:11:A:ARG:HB3	9	0.13
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD21	2	0.13
(1,70)	1:4:B:THR:H	1:2:B:PRO:HA	9	0.13
(1,53)	1:36:A:ARG:H	1:35:A:LEU:HB2	12	0.13
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	4	0.13
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	13	0.13
(1,52)	1:36:B:ARG:H	1:35:B:LEU:HG	15	0.13
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	13	0.13
(1,51)	1:36:A:ARG:H	1:35:A:LEU:HG	15	0.13
(1,43)	1:53:A:LYS:H	1:53:B:LYS:HG3	9	0.13
(1,4)	1:53:B:LYS:H	1:53:A:LYS:HA	7	0.13
(1,3)	1:53:A:LYS:H	1:53:B:LYS:HA	8	0.13
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD11	2	0.12
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	2	0.12
(2,4882)	1:11:B:ARG:HD2	1:63:A:ASP:HB3	13	0.12
(2,4855)	1:56:A:THR:HG23	1:53:B:LYS:HE2	13	0.12
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD23	8	0.12
(2,4825)	1:55:A:LEU:HD23	1:53:B:LYS:HE3	10	0.12
(2,4824)	1:8:B:LEU:HD11	1:60:A:LEU:H	14	0.12
(2,4823)	1:8:A:LEU:HD11	1:60:B:LEU:H	14	0.12
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG22	8	0.12
(2,4801)	1:53:A:LYS:HE2	1:56:B:THR:HG23	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB1	9	0.12
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB1	9	0.12
(2,4767)	1:60:A:LEU:HD23	1:57:B:ALA:HB3	15	0.12
(2,4707)	1:64:A:TYR:HE1	1:8:B:LEU:HD11	12	0.12
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	7	0.12
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD2	7	0.12
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	4	0.12
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	7	0.12
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	10	0.12
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	4	0.12
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	7	0.12
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	10	0.12
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	13	0.12
(2,4658)	1:6:B:HIS:HB2	1:6:B:HIS:HD2	14	0.12
(2,4657)	1:6:A:HIS:HB2	1:6:A:HIS:HD2	14	0.12
(2,4618)	1:14:B:LEU:HD23	1:50:B:HIS:HD2	2	0.12
(2,4617)	1:14:A:LEU:HD23	1:50:A:HIS:HD2	2	0.12
(2,4616)	1:53:B:LYS:HD2	1:50:B:HIS:HD2	5	0.12
(2,4584)	1:35:B:LEU:HD21	1:26:B:TYR:HE1	8	0.12
(2,4583)	1:35:A:LEU:HD21	1:26:A:TYR:HE1	8	0.12
(2,4581)	1:25:A:GLY:H	1:26:A:TYR:HE1	8	0.12
(2,4294)	1:8:B:LEU:HD13	1:2:B:PRO:HG2	5	0.12
(2,4293)	1:8:A:LEU:HD13	1:2:A:PRO:HG2	5	0.12
(2,4186)	1:22:B:LEU:HD13	1:21:B:LEU:HB2	15	0.12
(2,4185)	1:22:A:LEU:HD13	1:21:A:LEU:HB2	15	0.12
(2,4166)	1:45:B:ILE:HD12	1:40:B:LEU:HG	3	0.12
(2,4165)	1:45:A:ILE:HD12	1:40:A:LEU:HG	3	0.12
(2,4161)	1:12:A:ILE:HD13	1:11:A:ARG:H	13	0.12
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD11	7	0.12
(2,4134)	1:51:B:ARG:H	1:45:B:ILE:HG22	3	0.12
(2,4124)	1:45:B:ILE:HG23	1:51:B:ARG:HA	13	0.12
(2,4124)	1:45:B:ILE:HG23	1:51:B:ARG:HA	15	0.12
(2,4123)	1:45:A:ILE:HG23	1:51:A:ARG:HA	13	0.12
(2,4123)	1:45:A:ILE:HG23	1:51:A:ARG:HA	15	0.12
(2,4092)	1:14:B:LEU:H	1:12:B:ILE:HG23	7	0.12
(2,4092)	1:14:B:LEU:H	1:12:B:ILE:HG23	12	0.12
(2,4091)	1:14:A:LEU:H	1:12:A:ILE:HG23	7	0.12
(2,4091)	1:14:A:LEU:H	1:12:A:ILE:HG23	12	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	1	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	6	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	8	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	11	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB1	13	0.12
(2,4048)	1:58:B:ALA:HA	1:58:B:ALA:HB2	15	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	1	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	5	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	6	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	8	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB3	9	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	11	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB1	13	0.12
(2,4047)	1:58:A:ALA:HA	1:58:A:ALA:HB2	15	0.12
(2,4042)	1:35:B:LEU:HD11	1:58:B:ALA:HB1	11	0.12
(2,4041)	1:35:A:LEU:HD11	1:58:A:ALA:HB1	11	0.12
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG21	13	0.12
(2,4034)	1:41:B:ASN:HB2	1:38:B:THR:HG21	15	0.12
(2,4033)	1:41:A:ASN:HB2	1:38:A:THR:HG21	15	0.12
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG23	11	0.12
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG23	11	0.12
(2,4020)	1:18:B:THR:HG21	1:22:B:LEU:H	15	0.12
(2,4019)	1:18:A:THR:HG21	1:22:A:LEU:H	15	0.12
(2,4003)	1:9:A:LEU:HD22	1:18:A:THR:HG23	1	0.12
(2,3988)	1:4:B:THR:H	1:4:B:THR:HG23	1	0.12
(2,3987)	1:4:A:THR:H	1:4:A:THR:HG23	1	0.12
(2,3956)	1:5:B:LEU:HG	1:9:B:LEU:HD12	1	0.12
(2,3956)	1:5:B:LEU:HG	1:9:B:LEU:HD12	3	0.12
(2,3955)	1:5:A:LEU:HG	1:9:A:LEU:HD12	1	0.12
(2,3955)	1:5:A:LEU:HG	1:9:A:LEU:HD12	3	0.12
(2,3892)	1:21:B:LEU:H	1:20:B:THR:HG21	3	0.12
(2,3868)	1:60:B:LEU:HD11	1:64:B:TYR:HD2	11	0.12
(2,3867)	1:60:A:LEU:HD11	1:64:A:TYR:HD2	11	0.12
(2,3863)	1:60:A:LEU:HD13	1:12:B:ILE:HA	4	0.12
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	6	0.12
(2,3863)	1:60:A:LEU:HD11	1:12:B:ILE:HA	14	0.12
(2,3856)	1:23:B:LEU:HD21	1:24:B:ASN:HD21	6	0.12
(2,3855)	1:23:A:LEU:HD21	1:24:A:ASN:HD21	6	0.12
(2,3844)	1:43:B:LEU:HD23	1:26:B:TYR:HD1	13	0.12
(2,3843)	1:43:A:LEU:HD23	1:26:A:TYR:HD1	13	0.12
(2,3835)	1:43:A:LEU:HG	1:43:A:LEU:HD23	11	0.12
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD22	1	0.12
(2,3834)	1:43:B:LEU:HB2	1:43:B:LEU:HD23	6	0.12
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD22	1	0.12
(2,3833)	1:43:A:LEU:HB2	1:43:A:LEU:HD23	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3780)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	1	0.12
(2,3779)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	1	0.12
(2,3764)	1:32:B:PHE:HB3	1:5:B:LEU:HD23	9	0.12
(2,3763)	1:32:A:PHE:HB3	1:5:A:LEU:HD23	9	0.12
(2,3729)	1:22:A:LEU:HD13	1:19:A:SER:H	15	0.12
(2,3722)	1:27:B:GLN:HG2	1:22:B:LEU:HD13	5	0.12
(2,3722)	1:27:B:GLN:HG2	1:22:B:LEU:HD13	7	0.12
(2,3716)	1:61:B:LEU:H	1:61:B:LEU:HD21	8	0.12
(2,3715)	1:61:A:LEU:H	1:61:A:LEU:HD21	8	0.12
(2,3662)	1:40:B:LEU:HD13	1:37:B:GLU:HA	11	0.12
(2,3580)	1:29:B:LEU:HD13	1:64:A:TYR:HD2	2	0.12
(2,3578)	1:29:B:LEU:HD11	1:4:B:THR:HA	9	0.12
(2,3577)	1:29:A:LEU:HD11	1:4:A:THR:HA	9	0.12
(2,3576)	1:3:B:LYS:HA	1:29:B:LEU:HD12	13	0.12
(2,3575)	1:3:A:LYS:HA	1:29:A:LEU:HD12	13	0.12
(2,3566)	1:19:B:SER:HA	1:22:B:LEU:HD21	7	0.12
(2,3565)	1:19:A:SER:HA	1:22:A:LEU:HD21	7	0.12
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD13	5	0.12
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD13	5	0.12
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD12	13	0.12
(2,3528)	1:35:B:LEU:HB2	1:35:B:LEU:HD23	14	0.12
(2,3527)	1:35:A:LEU:HB2	1:35:A:LEU:HD23	14	0.12
(2,3516)	1:13:B:GLY:H	1:14:B:LEU:HG	1	0.12
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	11	0.12
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD13	5	0.12
(2,3436)	1:21:B:LEU:HD21	1:21:B:LEU:HD13	6	0.12
(2,3436)	1:21:B:LEU:HD21	1:21:B:LEU:HD12	8	0.12
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD13	11	0.12
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD13	15	0.12
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD12	4	0.12
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD13	5	0.12
(2,3435)	1:21:A:LEU:HD21	1:21:A:LEU:HD13	6	0.12
(2,3435)	1:21:A:LEU:HD21	1:21:A:LEU:HD12	8	0.12
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD13	11	0.12
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD12	13	0.12
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD13	15	0.12
(2,3424)	1:45:B:ILE:HG12	1:40:B:LEU:HG	5	0.12
(2,3423)	1:45:A:ILE:HG12	1:40:A:LEU:HG	5	0.12
(2,3312)	1:22:B:LEU:HG	1:6:B:HIS:HB2	8	0.12
(2,3311)	1:22:A:LEU:HG	1:6:A:HIS:HB2	8	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	1	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	5	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	6	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	7	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	8	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	9	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	12	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	14	0.12
(2,3282)	1:48:B:PRO:HD2	1:48:B:PRO:HG3	15	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	1	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	3	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	5	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	6	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	7	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	8	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	12	0.12
(2,3281)	1:48:A:PRO:HD2	1:48:A:PRO:HG3	14	0.12
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD11	2	0.12
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD11	3	0.12
(2,3218)	1:14:B:LEU:HD23	1:14:B:LEU:HD13	14	0.12
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD12	1	0.12
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD11	2	0.12
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD11	3	0.12
(2,3190)	1:15:B:GLU:HB3	1:16:B:GLU:HA	7	0.12
(2,3189)	1:15:A:GLU:HB3	1:16:A:GLU:HA	7	0.12
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	1	0.12
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD22	4	0.12
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	4	0.12
(2,2934)	1:48:B:PRO:HB2	1:47:B:ASP:HA	4	0.12
(2,2934)	1:48:B:PRO:HB2	1:47:B:ASP:HA	10	0.12
(2,2934)	1:48:B:PRO:HB2	1:47:B:ASP:HA	13	0.12
(2,2933)	1:48:A:PRO:HB2	1:47:A:ASP:HA	13	0.12
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	12	0.12
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	12	0.12
(2,2766)	1:34:B:GLU:HG2	1:33:B:LYS:HA	13	0.12
(2,2748)	1:42:B:GLU:H	1:42:B:GLU:HG2	12	0.12
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD13	2	0.12
(2,2694)	1:7:B:GLU:H	1:7:B:GLU:HG3	10	0.12
(2,2436)	1:65:B:ASP:HB2	1:66:B:THR:HG21	7	0.12
(2,2435)	1:65:A:ASP:HB2	1:66:A:THR:HG21	7	0.12
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	1	0.12
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	10	0.12
(2,2348)	1:24:B:ASN:H	1:23:B:LEU:HB3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	1	0.12
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	10	0.12
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	6	0.12
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	6	0.12
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	12	0.12
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	15	0.12
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	15	0.12
(2,2305)	1:33:A:LYS:HE3	1:30:A:GLU:HG2	11	0.12
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	14	0.12
(2,2176)	1:51:B:ARG:HA	1:51:B:ARG:HD2	14	0.12
(2,2175)	1:51:A:ARG:HA	1:51:A:ARG:HD2	14	0.12
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	15	0.12
(2,2101)	1:48:A:PRO:HD2	1:51:A:ARG:HD2	12	0.12
(2,2096)	1:14:B:LEU:HA	1:17:B:HIS:HD2	8	0.12
(2,2095)	1:14:A:LEU:HA	1:17:A:HIS:HD2	8	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	1	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	3	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	4	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	6	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	9	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	12	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	13	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	14	0.12
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	15	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	1	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	3	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	4	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	6	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	9	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	12	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	13	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	14	0.12
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	15	0.12
(2,1770)	1:64:B:TYR:HA	1:64:B:TYR:HD2	5	0.12
(2,1769)	1:64:A:TYR:HA	1:64:A:TYR:HD2	5	0.12
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	7	0.12
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	8	0.12
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	10	0.12
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	8	0.12
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	10	0.12
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD11	13	0.12
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD11	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	4	0.12
(2,1601)	1:37:A:GLU:HA	1:36:A:ARG:HA	15	0.12
(2,1562)	1:19:B:SER:H	1:19:B:SER:HB2	14	0.12
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	7	0.12
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	7	0.12
(2,1488)	1:48:B:PRO:HA	1:55:B:LEU:HD23	8	0.12
(2,1487)	1:48:A:PRO:HA	1:55:A:LEU:HD23	8	0.12
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	1	0.12
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	7	0.12
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	9	0.12
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	1	0.12
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	7	0.12
(2,1295)	1:13:A:GLY:H	1:14:A:LEU:HD12	3	0.12
(2,1293)	1:8:A:LEU:H	1:6:A:HIS:HB2	12	0.12
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	1	0.12
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	1	0.12
(2,916)	1:50:B:HIS:H	1:45:B:ILE:HG23	15	0.12
(2,722)	1:39:B:HIS:H	1:36:B:ARG:HB3	6	0.12
(2,721)	1:39:A:HIS:H	1:36:A:ARG:HB3	6	0.12
(2,702)	1:38:B:THR:H	1:36:B:ARG:HB2	8	0.12
(2,655)	1:35:A:LEU:H	1:58:A:ALA:HB3	12	0.12
(2,442)	1:24:B:ASN:H	1:25:B:GLY:HA3	8	0.12
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD21	4	0.12
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD21	4	0.12
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	4	0.12
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	11	0.12
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	11	0.12
(2,89)	1:69:A:GLU:H	1:68:B:CYS:HB3	5	0.12
(2,84)	1:67:B:GLY:H	1:69:A:GLU:H	10	0.12
(2,56)	1:58:B:ALA:H	1:60:A:LEU:HD21	5	0.12
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB3	3	0.12
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB3	11	0.12
(1,3176)	1:62:B:LEU:HD22	1:11:A:ARG:HG2	5	0.12
(1,3158)	1:66:B:THR:HG21	1:63:A:ASP:HB3	12	0.12
(1,3142)	1:62:B:LEU:HD22	1:11:A:ARG:HG2	5	0.12
(1,3139)	1:60:A:LEU:HG	1:57:B:ALA:HA	11	0.12
(1,3066)	1:64:B:TYR:HE1	1:61:A:LEU:HD21	13	0.12
(1,3063)	1:64:A:TYR:HE2	1:2:B:PRO:HG3	13	0.12
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	1	0.12
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	4	0.12
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	5	0.12
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	1	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	2	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	4	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	5	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	8	0.12
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	9	0.12
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	7	0.12
(1,3020)	1:64:B:TYR:HE2	1:66:A:THR:H	14	0.12
(1,3019)	1:64:A:TYR:HE2	1:66:B:THR:H	7	0.12
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	1	0.12
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	3	0.12
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	5	0.12
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	12	0.12
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	12	0.12
(1,2992)	1:25:B:GLY:H	1:26:B:TYR:HD1	8	0.12
(1,2991)	1:25:A:GLY:H	1:26:A:TYR:HD1	8	0.12
(1,2946)	1:61:B:LEU:HB3	1:64:A:TYR:HD1	13	0.12
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	3	0.12
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	3	0.12
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD11	14	0.12
(1,2854)	1:45:B:ILE:HD12	1:47:B:ASP:HB2	15	0.12
(1,2853)	1:45:A:ILE:HD12	1:47:A:ASP:HB2	15	0.12
(1,2781)	1:12:A:ILE:HG22	1:59:B:GLU:H	8	0.12
(1,2777)	1:11:A:ARG:HB3	1:12:A:ILE:HG22	2	0.12
(1,2754)	1:33:B:LYS:HA	1:58:B:ALA:HB1	8	0.12
(1,2753)	1:33:A:LYS:HA	1:58:A:ALA:HB1	8	0.12
(1,2734)	1:50:B:HIS:H	1:52:B:ALA:HB3	6	0.12
(1,2733)	1:50:A:HIS:H	1:52:A:ALA:HB3	6	0.12
(1,2712)	1:38:B:THR:HG21	1:39:B:HIS:HD2	13	0.12
(1,2711)	1:38:A:THR:HG21	1:39:A:HIS:HD2	13	0.12
(1,2704)	1:31:B:ASP:HB2	1:28:B:THR:HG21	9	0.12
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD11	9	0.12
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD11	9	0.12
(1,2604)	1:59:B:GLU:H	1:60:B:LEU:HD12	8	0.12
(1,2603)	1:59:A:GLU:H	1:60:A:LEU:HD12	8	0.12
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD21	5	0.12
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD23	13	0.12
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD23	13	0.12
(1,2536)	1:53:B:LYS:HB2	1:54:B:LEU:HD21	13	0.12
(1,2535)	1:53:A:LYS:HB2	1:54:A:LEU:HD21	13	0.12
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	1	0.12
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2528)	1:14:B:LEU:HB2	1:54:B:LEU:HD22	7	0.12
(1,2527)	1:14:A:LEU:HB2	1:54:A:LEU:HD22	7	0.12
(1,2438)	1:42:B:GLU:HB3	1:43:B:LEU:HD11	7	0.12
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	1	0.12
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD12	3	0.12
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	1	0.12
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD12	3	0.12
(1,2272)	1:50:B:HIS:HA	1:54:B:LEU:HD12	15	0.12
(1,2271)	1:50:A:HIS:HA	1:54:A:LEU:HD12	15	0.12
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	13	0.12
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	2	0.12
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	3	0.12
(1,2118)	1:51:B:ARG:HG2	1:46:B:MET:H	3	0.12
(1,2117)	1:51:A:ARG:HG2	1:46:A:MET:H	3	0.12
(1,2076)	1:53:B:LYS:H	1:53:B:LYS:HD3	6	0.12
(1,2075)	1:53:A:LYS:H	1:53:A:LYS:HD3	6	0.12
(1,2038)	1:17:B:HIS:HB2	1:54:B:LEU:HA	2	0.12
(1,1970)	1:51:B:ARG:HB3	1:54:B:LEU:HD13	14	0.12
(1,1969)	1:51:A:ARG:HB3	1:54:A:LEU:HD13	14	0.12
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	3	0.12
(1,1874)	1:27:B:GLN:HG3	1:31:B:ASP:HB3	9	0.12
(1,1873)	1:27:A:GLN:HG3	1:31:A:ASP:HB3	9	0.12
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	6	0.12
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	1	0.12
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	6	0.12
(1,1574)	1:62:B:LEU:HB2	1:36:B:ARG:HD2	10	0.12
(1,1573)	1:62:A:LEU:HB2	1:11:B:ARG:HD3	2	0.12
(1,1573)	1:62:A:LEU:HB2	1:36:A:ARG:HD2	10	0.12
(1,1539)	1:3:A:LYS:HE2	1:3:A:LYS:HG3	13	0.12
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD12	8	0.12
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD12	8	0.12
(1,1458)	1:11:B:ARG:HD2	1:8:B:LEU:HA	14	0.12
(1,1457)	1:11:A:ARG:HD2	1:8:A:LEU:HA	14	0.12
(1,1440)	1:36:B:ARG:HD3	1:34:B:GLU:H	6	0.12
(1,1430)	1:36:B:ARG:HD2	1:39:B:HIS:HD2	2	0.12
(1,1429)	1:36:A:ARG:HD2	1:39:A:HIS:HD2	2	0.12
(1,1418)	1:51:B:ARG:HD2	1:48:B:PRO:HB2	7	0.12
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	6	0.12
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	2	0.12
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	6	0.12
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	14	0.12
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	14	0.12
(1,1211)	1:9:A:LEU:HA	1:10:A:GLU:HA	9	0.12
(1,1206)	1:9:B:LEU:HA	1:14:B:LEU:HB3	1	0.12
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	1	0.12
(1,1188)	1:40:B:LEU:HA	1:46:B:MET:HA	11	0.12
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	1	0.12
(1,1187)	1:40:A:LEU:HA	1:46:A:MET:HA	11	0.12
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	6	0.12
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	6	0.12
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	1	0.12
(1,1174)	1:54:B:LEU:HA	1:12:B:ILE:HB	14	0.12
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	1	0.12
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	14	0.12
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	14	0.12
(1,1137)	1:64:A:TYR:HA	1:60:A:LEU:HG	1	0.12
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	2	0.12
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	8	0.12
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	10	0.12
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	14	0.12
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	15	0.12
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	2	0.12
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	8	0.12
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	10	0.12
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	14	0.12
(1,1116)	1:59:B:GLU:HA	1:59:B:GLU:HB3	9	0.12
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	3	0.12
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	3	0.12
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	15	0.12
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	15	0.12
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	8	0.12
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	10	0.12
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	10	0.12
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	11	0.12
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	7	0.12
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	7	0.12
(1,877)	1:20:A:THR:HB	1:22:A:LEU:HB3	15	0.12
(1,762)	1:67:B:GLY:H	1:66:A:THR:HG22	9	0.12
(1,761)	1:67:A:GLY:H	1:66:B:THR:HG22	9	0.12
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	3	0.12
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	7	0.12
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	1	0.12
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	9	0.12
(1,720)	1:63:B:ASP:H	1:62:B:LEU:HB2	9	0.12
(1,719)	1:63:A:ASP:H	1:62:A:LEU:HB2	9	0.12
(1,635)	1:58:A:ALA:H	1:55:A:LEU:HD11	8	0.12
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB1	9	0.12
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB1	12	0.12
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	5	0.12
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB1	12	0.12
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	11	0.12
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	3	0.12
(1,540)	1:50:B:HIS:H	1:52:B:ALA:HB2	14	0.12
(1,503)	1:45:A:ILE:H	1:45:A:ILE:HG12	2	0.12
(1,486)	1:42:B:GLU:H	1:40:B:LEU:HB2	11	0.12
(1,274)	1:23:B:LEU:H	1:23:B:LEU:HD22	14	0.12
(1,188)	1:13:B:GLY:H	1:12:B:ILE:HD13	1	0.12
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD11	11	0.12
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	3	0.12
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	3	0.12
(1,158)	1:10:B:GLU:H	1:6:B:HIS:HB2	14	0.12
(1,157)	1:10:A:GLU:H	1:6:A:HIS:HB2	14	0.12
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	14	0.12
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD21	7	0.12
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD22	13	0.12
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD21	2	0.12
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD21	7	0.12
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD22	13	0.12
(1,70)	1:4:B:THR:H	1:2:B:PRO:HA	5	0.12
(1,69)	1:4:A:THR:H	1:2:A:PRO:HA	5	0.12
(1,69)	1:4:A:THR:H	1:2:A:PRO:HA	9	0.12
(1,54)	1:36:B:ARG:H	1:35:B:LEU:HB2	12	0.12
(1,44)	1:53:B:LYS:H	1:53:A:LYS:HG3	9	0.12
(1,21)	1:55:A:LEU:H	1:53:B:LYS:HD2	5	0.12
(1,4)	1:53:B:LYS:H	1:53:A:LYS:HA	8	0.12
(1,4)	1:53:B:LYS:H	1:53:A:LYS:HA	9	0.12
(1,3)	1:53:A:LYS:H	1:53:B:LYS:HA	7	0.12
(1,3)	1:53:A:LYS:H	1:53:B:LYS:HA	9	0.12
(2,4919)	1:60:A:LEU:HD23	1:8:B:LEU:HG	8	0.11
(2,4892)	1:11:B:ARG:HD3	1:60:A:LEU:HD12	10	0.11
(2,4891)	1:11:A:ARG:HD3	1:60:B:LEU:HD12	10	0.11
(2,4881)	1:11:A:ARG:HD2	1:63:B:ASP:HB3	13	0.11
(2,4828)	1:60:B:LEU:HG	1:61:A:LEU:HD23	5	0.11
(2,4827)	1:60:A:LEU:HG	1:61:B:LEU:HD23	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	6	0.11
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG22	8	0.11
(2,4768)	1:60:B:LEU:HD22	1:57:A:ALA:HB3	7	0.11
(2,4748)	1:60:B:LEU:HD11	1:57:A:ALA:HB3	15	0.11
(2,4732)	1:52:B:ALA:HB1	1:53:A:LYS:H	14	0.11
(2,4731)	1:52:A:ALA:HB1	1:53:B:LYS:H	14	0.11
(2,4702)	1:47:B:ASP:HB3	1:50:B:HIS:HD2	15	0.11
(2,4701)	1:47:A:ASP:HB3	1:50:A:HIS:HD2	15	0.11
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	5	0.11
(2,4694)	1:39:B:HIS:HE1	1:26:B:TYR:HE2	7	0.11
(2,4660)	1:6:B:HIS:HB3	1:6:B:HIS:HD2	9	0.11
(2,4659)	1:6:A:HIS:HB3	1:6:A:HIS:HD2	9	0.11
(2,4658)	1:6:B:HIS:HB2	1:6:B:HIS:HD2	3	0.11
(2,4657)	1:6:A:HIS:HB2	1:6:A:HIS:HD2	3	0.11
(2,4615)	1:53:A:LYS:HD2	1:50:A:HIS:HD2	5	0.11
(2,4606)	1:49:B:GLN:HA	1:50:B:HIS:HD2	1	0.11
(2,4605)	1:49:A:GLN:HA	1:50:A:HIS:HD2	1	0.11
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	1	0.11
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	2	0.11
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	3	0.11
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	5	0.11
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	14	0.11
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	1	0.11
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	2	0.11
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	3	0.11
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	5	0.11
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	14	0.11
(2,4428)	1:9:B:LEU:HG	1:8:B:LEU:HD12	3	0.11
(2,4427)	1:9:A:LEU:HG	1:8:A:LEU:HD12	3	0.11
(2,4406)	1:29:B:LEU:HG	1:8:B:LEU:HD13	14	0.11
(2,4384)	1:5:B:LEU:HD22	1:32:B:PHE:HE2	14	0.11
(2,4383)	1:5:A:LEU:HD22	1:32:A:PHE:HE2	14	0.11
(2,4382)	1:5:B:LEU:HG	1:32:B:PHE:HB3	9	0.11
(2,4381)	1:5:A:LEU:HG	1:32:A:PHE:HB3	9	0.11
(2,4356)	1:34:B:GLU:HG2	1:26:B:TYR:HE2	3	0.11
(2,4355)	1:34:A:GLU:HG2	1:26:A:TYR:HE2	3	0.11
(2,4294)	1:8:B:LEU:HD12	1:2:B:PRO:HG2	12	0.11
(2,4293)	1:8:A:LEU:HD12	1:2:A:PRO:HG2	12	0.11
(2,4282)	1:49:B:GLN:H	1:49:B:GLN:HB3	7	0.11
(2,4281)	1:49:A:GLN:H	1:49:A:GLN:HB3	7	0.11
(2,4186)	1:22:B:LEU:HD11	1:21:B:LEU:HB2	4	0.11
(2,4185)	1:22:A:LEU:HD11	1:21:A:LEU:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4162)	1:12:B:ILE:HD13	1:11:B:ARG:H	13	0.11
(2,4142)	1:53:B:LYS:HB2	1:12:B:ILE:HD12	1	0.11
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD12	1	0.11
(2,4141)	1:53:A:LYS:HB2	1:12:A:ILE:HD11	7	0.11
(2,4133)	1:51:A:ARG:H	1:45:A:ILE:HG22	3	0.11
(2,4052)	1:58:B:ALA:HB3	1:36:B:ARG:HA	2	0.11
(2,4051)	1:58:A:ALA:HB3	1:36:A:ARG:HA	2	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	1	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	9	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB2	10	0.11
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	11	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	1	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	9	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB2	10	0.11
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	11	0.11
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG21	5	0.11
(2,4036)	1:39:B:HIS:HA	1:38:B:THR:HG21	13	0.11
(2,4035)	1:39:A:HIS:HA	1:38:A:THR:HG21	5	0.11
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	1	0.11
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	2	0.11
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG23	4	0.11
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG22	7	0.11
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG23	4	0.11
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG23	5	0.11
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	7	0.11
(2,4024)	1:28:B:THR:HA	1:28:B:THR:HG21	15	0.11
(2,4023)	1:28:A:THR:HA	1:28:A:THR:HG21	15	0.11
(2,4021)	1:28:A:THR:HB	1:28:A:THR:HG23	12	0.11
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	3	0.11
(2,4020)	1:18:B:THR:HG22	1:22:B:LEU:H	11	0.11
(2,4020)	1:18:B:THR:HG23	1:22:B:LEU:H	14	0.11
(2,4019)	1:18:A:THR:HG22	1:22:A:LEU:H	11	0.11
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	14	0.11
(2,4004)	1:9:B:LEU:HD22	1:18:B:THR:HG23	1	0.11
(2,3962)	1:9:B:LEU:HD11	1:17:B:HIS:HB3	7	0.11
(2,3961)	1:9:A:LEU:HD11	1:17:A:HIS:HB3	7	0.11
(2,3932)	1:36:B:ARG:HD2	1:55:B:LEU:HD11	4	0.11
(2,3888)	1:24:B:ASN:HD21	1:20:B:THR:HG22	15	0.11
(2,3887)	1:24:A:ASN:HD21	1:20:A:THR:HG22	15	0.11
(2,3868)	1:60:B:LEU:HD13	1:64:B:TYR:HD2	3	0.11
(2,3868)	1:60:B:LEU:HD12	1:64:B:TYR:HD1	10	0.11
(2,3867)	1:60:A:LEU:HD13	1:64:A:TYR:HD2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3867)	1:60:A:LEU:HD12	1:64:A:TYR:HD1	10	0.11
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	4	0.11
(2,3864)	1:60:B:LEU:HD13	1:12:A:ILE:HA	15	0.11
(2,3856)	1:23:B:LEU:HD22	1:24:B:ASN:HD21	9	0.11
(2,3855)	1:23:A:LEU:HD22	1:24:A:ASN:HD21	9	0.11
(2,3838)	1:24:B:ASN:HB2	1:43:B:LEU:HD23	15	0.11
(2,3814)	1:21:B:LEU:H	1:21:B:LEU:HD12	2	0.11
(2,3813)	1:21:A:LEU:H	1:21:A:LEU:HD12	2	0.11
(2,3730)	1:22:B:LEU:HD13	1:19:B:SER:H	15	0.11
(2,3711)	1:61:A:LEU:HD23	1:64:B:TYR:HD2	10	0.11
(2,3617)	1:24:A:ASN:HD22	1:43:A:LEU:HD12	3	0.11
(2,3606)	1:24:B:ASN:HB2	1:43:B:LEU:HD12	3	0.11
(2,3605)	1:24:A:ASN:HB2	1:43:A:LEU:HD12	3	0.11
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	8	0.11
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	13	0.11
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD13	8	0.11
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD13	13	0.11
(2,3579)	1:29:A:LEU:HD13	1:64:B:TYR:HD2	2	0.11
(2,3578)	1:29:B:LEU:HD13	1:4:B:THR:HA	14	0.11
(2,3577)	1:29:A:LEU:HD13	1:4:A:THR:HA	14	0.11
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD11	1	0.11
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD11	8	0.11
(2,3558)	1:9:B:LEU:H	1:8:B:LEU:HD12	13	0.11
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD11	1	0.11
(2,3557)	1:9:A:LEU:H	1:8:A:LEU:HD11	8	0.11
(2,3528)	1:35:B:LEU:HB2	1:35:B:LEU:HD23	7	0.11
(2,3527)	1:35:A:LEU:HB2	1:35:A:LEU:HD23	7	0.11
(2,3516)	1:13:B:GLY:H	1:14:B:LEU:HG	14	0.11
(2,3436)	1:21:B:LEU:HD22	1:21:B:LEU:HD11	2	0.11
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD12	4	0.11
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD11	7	0.11
(2,3436)	1:21:B:LEU:HD23	1:21:B:LEU:HD11	14	0.11
(2,3435)	1:21:A:LEU:HD22	1:21:A:LEU:HD11	2	0.11
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD11	7	0.11
(2,3435)	1:21:A:LEU:HD23	1:21:A:LEU:HD11	14	0.11
(2,3292)	1:48:B:PRO:HG2	1:49:A:GLN:HE22	14	0.11
(2,3291)	1:48:A:PRO:HG2	1:49:B:GLN:HE22	14	0.11
(2,3218)	1:14:B:LEU:HD21	1:14:B:LEU:HD11	7	0.11
(2,3218)	1:14:B:LEU:HD22	1:14:B:LEU:HD13	8	0.11
(2,3217)	1:14:A:LEU:HD21	1:14:A:LEU:HD11	7	0.11
(2,3217)	1:14:A:LEU:HD22	1:14:A:LEU:HD13	8	0.11
(2,3217)	1:14:A:LEU:HD23	1:14:A:LEU:HD13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3111)	1:51:A:ARG:HG3	1:37:A:GLU:HG2	6	0.11
(2,3100)	1:37:B:GLU:HB3	1:55:B:LEU:HD21	3	0.11
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD22	1	0.11
(2,3099)	1:37:A:GLU:HB3	1:55:A:LEU:HD21	3	0.11
(2,3072)	1:17:B:HIS:HB3	1:18:B:THR:HB	9	0.11
(2,3071)	1:17:A:HIS:HB3	1:18:A:THR:HB	9	0.11
(2,2950)	1:49:B:GLN:H	1:48:B:PRO:HB3	1	0.11
(2,2949)	1:49:A:GLN:H	1:48:A:PRO:HB3	1	0.11
(2,2933)	1:48:A:PRO:HB2	1:47:A:ASP:HA	10	0.11
(2,2770)	1:34:B:GLU:H	1:34:B:GLU:HG2	11	0.11
(2,2765)	1:34:A:GLU:HG2	1:33:A:LYS:HA	3	0.11
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD11	9	0.11
(2,2741)	1:42:A:GLU:HG2	1:43:A:LEU:HD11	9	0.11
(2,2694)	1:7:B:GLU:H	1:7:B:GLU:HG3	9	0.11
(2,2693)	1:7:A:GLU:H	1:7:A:GLU:HG3	9	0.11
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	8	0.11
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	8	0.11
(2,2557)	1:29:A:LEU:HA	1:32:A:PHE:HB2	13	0.11
(2,2471)	1:68:A:CYS:HB3	1:66:B:THR:HG22	8	0.11
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	11	0.11
(2,2308)	1:33:B:LYS:HE3	1:61:B:LEU:HA	6	0.11
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	6	0.11
(2,2307)	1:33:A:LYS:HE3	1:61:A:LEU:HA	12	0.11
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	3	0.11
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	9	0.11
(2,2256)	1:32:B:PHE:H	1:31:B:ASP:HB3	14	0.11
(2,2255)	1:32:A:PHE:H	1:31:A:ASP:HB3	9	0.11
(2,2102)	1:48:B:PRO:HD2	1:51:B:ARG:HD2	12	0.11
(2,2028)	1:63:B:ASP:HA	1:65:B:ASP:H	7	0.11
(2,1876)	1:55:B:LEU:HA	1:55:B:LEU:HD22	6	0.11
(2,1875)	1:55:A:LEU:HA	1:55:A:LEU:HD22	6	0.11
(2,1796)	1:22:B:LEU:HA	1:22:B:LEU:HB3	2	0.11
(2,1795)	1:22:A:LEU:HA	1:22:A:LEU:HB3	2	0.11
(2,1790)	1:59:B:GLU:HA	1:58:B:ALA:HB1	9	0.11
(2,1789)	1:59:A:GLU:HA	1:58:A:ALA:HB1	9	0.11
(2,1750)	1:33:B:LYS:HA	1:58:B:ALA:HB1	13	0.11
(2,1749)	1:33:A:LYS:HA	1:58:A:ALA:HB1	13	0.11
(2,1700)	1:21:B:LEU:HA	1:26:B:TYR:HB3	10	0.11
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	7	0.11
(2,1699)	1:21:A:LEU:HA	1:26:A:TYR:HB3	10	0.11
(2,1672)	1:15:B:GLU:HA	1:9:B:LEU:HB2	4	0.11
(2,1671)	1:15:A:GLU:HA	1:9:A:LEU:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1642)	1:6:B:HIS:HA	1:9:B:LEU:HD23	14	0.11
(2,1641)	1:6:A:HIS:HA	1:9:A:LEU:HD23	14	0.11
(2,1622)	1:53:B:LYS:HA	1:12:B:ILE:HD11	4	0.11
(2,1621)	1:53:A:LYS:HA	1:12:A:ILE:HD11	4	0.11
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	5	0.11
(2,1612)	1:32:B:PHE:HA	1:26:B:TYR:HB2	9	0.11
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	4	0.11
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	5	0.11
(2,1611)	1:32:A:PHE:HA	1:26:A:TYR:HB2	9	0.11
(2,1602)	1:37:B:GLU:HA	1:36:B:ARG:HA	1	0.11
(2,1602)	1:37:B:GLU:HA	1:36:B:ARG:HA	11	0.11
(2,1601)	1:37:A:GLU:HA	1:36:A:ARG:HA	1	0.11
(2,1601)	1:37:A:GLU:HA	1:36:A:ARG:HA	11	0.11
(2,1596)	1:37:B:GLU:HA	1:40:B:LEU:HB3	7	0.11
(2,1595)	1:37:A:GLU:HA	1:40:A:LEU:HB3	7	0.11
(2,1561)	1:19:A:SER:H	1:19:A:SER:HB2	14	0.11
(2,1510)	1:52:B:ALA:H	1:48:B:PRO:HA	2	0.11
(2,1509)	1:52:A:ALA:H	1:48:A:PRO:HA	2	0.11
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	9	0.11
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	9	0.11
(2,1368)	1:27:B:GLN:HE21	1:27:B:GLN:HA	8	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	2	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	3	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	8	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	11	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	13	0.11
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	15	0.11
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	2	0.11
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	8	0.11
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	13	0.11
(2,1296)	1:13:B:GLY:H	1:14:B:LEU:HD12	3	0.11
(2,1294)	1:8:B:LEU:H	1:6:B:HIS:HB2	12	0.11
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	13	0.11
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	13	0.11
(2,1141)	1:66:A:THR:H	1:65:A:ASP:HB2	14	0.11
(2,1073)	1:61:A:LEU:H	1:58:A:ALA:HB3	9	0.11
(2,808)	1:43:B:LEU:H	1:35:B:LEU:HD12	11	0.11
(2,807)	1:43:A:LEU:H	1:35:A:LEU:HD12	11	0.11
(2,686)	1:37:B:GLU:H	1:55:B:LEU:HG	14	0.11
(2,685)	1:37:A:GLU:H	1:55:A:LEU:HG	14	0.11
(2,622)	1:33:B:LYS:H	1:33:B:LYS:HG3	10	0.11
(2,621)	1:33:A:LYS:H	1:33:A:LYS:HG3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:27:B:GLN:H	1:5:B:LEU:HD13	8	0.11
(2,513)	1:27:A:GLN:H	1:5:A:LEU:HD13	8	0.11
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD22	12	0.11
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD22	12	0.11
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	2	0.11
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	8	0.11
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	2	0.11
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	4	0.11
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	8	0.11
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	10	0.11
(2,208)	1:9:B:LEU:H	1:10:B:GLU:HG2	9	0.11
(2,207)	1:9:A:LEU:H	1:10:A:GLU:HG2	9	0.11
(2,90)	1:69:B:GLU:H	1:68:A:CYS:HB3	5	0.11
(2,40)	1:52:B:ALA:H	1:53:A:LYS:HE3	7	0.11
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	1	0.11
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	2	0.11
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	14	0.11
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB3	14	0.11
(1,3179)	1:8:A:LEU:HG	1:60:B:LEU:HD23	15	0.11
(1,3176)	1:62:B:LEU:HD21	1:11:A:ARG:HG2	3	0.11
(1,3157)	1:66:A:THR:HG21	1:63:B:ASP:HB3	12	0.11
(1,3142)	1:62:B:LEU:HD21	1:11:A:ARG:HG2	3	0.11
(1,3140)	1:60:B:LEU:HG	1:57:A:ALA:HA	3	0.11
(1,3135)	1:55:A:LEU:HD22	1:49:B:GLN:HB3	3	0.11
(1,3127)	1:49:A:GLN:HB3	1:49:B:GLN:HA	8	0.11
(1,3066)	1:64:B:TYR:HE2	1:61:A:LEU:HD23	14	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	2	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	3	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	7	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	8	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	10	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	11	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	12	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	13	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE1	14	0.11
(1,3030)	1:26:B:TYR:HB2	1:26:B:TYR:HE2	15	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	3	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	7	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	10	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	11	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	12	0.11
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE1	14	0.11
(1,3020)	1:64:B:TYR:HE1	1:66:A:THR:H	11	0.11
(1,3000)	1:58:B:ALA:H	1:32:B:PHE:HZ	2	0.11
(1,2999)	1:58:A:ALA:H	1:32:A:PHE:HZ	2	0.11
(1,2948)	1:60:B:LEU:HD21	1:64:B:TYR:HD1	12	0.11
(1,2945)	1:61:A:LEU:HB3	1:64:B:TYR:HD1	13	0.11
(1,2938)	1:8:B:LEU:H	1:2:B:PRO:HD2	9	0.11
(1,2937)	1:8:A:LEU:H	1:2:A:PRO:HD2	9	0.11
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD13	2	0.11
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD13	4	0.11
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD13	4	0.11
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD11	10	0.11
(1,2890)	1:2:B:PRO:HB3	1:4:B:THR:HA	10	0.11
(1,2889)	1:2:A:PRO:HB3	1:4:A:THR:HA	10	0.11
(1,2866)	1:7:B:GLU:HG3	1:3:B:LYS:HA	15	0.11
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD11	14	0.11
(1,2848)	1:45:B:ILE:HB	1:45:B:ILE:HD12	1	0.11
(1,2847)	1:45:A:ILE:HB	1:45:A:ILE:HD12	1	0.11
(1,2778)	1:11:B:ARG:HB3	1:12:B:ILE:HG22	2	0.11
(1,2712)	1:38:B:THR:HG21	1:39:B:HIS:HD2	9	0.11
(1,2711)	1:38:A:THR:HG21	1:39:A:HIS:HD2	9	0.11
(1,2661)	1:15:A:GLU:HA	1:9:A:LEU:HD12	4	0.11
(1,2649)	1:38:A:THR:H	1:55:A:LEU:HD11	12	0.11
(1,2626)	1:53:B:LYS:HB2	1:14:B:LEU:HD11	3	0.11
(1,2625)	1:53:A:LYS:HB2	1:14:A:LEU:HD11	3	0.11
(1,2549)	1:5:A:LEU:HD23	1:29:A:LEU:H	1	0.11
(1,2549)	1:5:A:LEU:H	1:5:A:LEU:HD21	5	0.11
(1,2548)	1:32:B:PHE:H	1:5:B:LEU:HD21	5	0.11
(1,2547)	1:32:A:PHE:H	1:5:A:LEU:HD21	5	0.11
(1,2534)	1:14:B:LEU:HB3	1:54:B:LEU:HD22	9	0.11
(1,2533)	1:14:A:LEU:HB3	1:54:A:LEU:HD22	9	0.11
(1,2394)	1:35:B:LEU:HD22	1:39:B:HIS:H	5	0.11
(1,2393)	1:35:A:LEU:HD22	1:39:A:HIS:H	5	0.11
(1,2344)	1:61:B:LEU:HB2	1:61:B:LEU:HD13	6	0.11
(1,2343)	1:61:A:LEU:HB2	1:61:A:LEU:HD13	6	0.11
(1,2308)	1:45:B:ILE:HG12	1:46:B:MET:HE2	13	0.11
(1,2307)	1:45:A:ILE:HG12	1:46:A:MET:HE2	13	0.11
(1,2288)	1:58:B:ALA:H	1:55:B:LEU:HG	1	0.11
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	7	0.11
(1,2252)	1:5:B:LEU:HG	1:8:B:LEU:H	15	0.11
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	7	0.11
(1,2251)	1:5:A:LEU:HG	1:8:A:LEU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	3	0.11
(1,2250)	1:53:B:LYS:HG2	1:12:B:ILE:HA	7	0.11
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	3	0.11
(1,2249)	1:53:A:LYS:HG2	1:12:A:ILE:HA	7	0.11
(1,2248)	1:27:B:GLN:HG2	1:5:B:LEU:HG	11	0.11
(1,2247)	1:27:A:GLN:HG2	1:5:A:LEU:HG	11	0.11
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	12	0.11
(1,2144)	1:6:B:HIS:HB3	1:5:B:LEU:HB3	13	0.11
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	11	0.11
(1,2072)	1:34:B:GLU:H	1:33:B:LYS:HD2	15	0.11
(1,2071)	1:34:A:GLU:H	1:33:A:LYS:HD2	15	0.11
(1,2040)	1:14:B:LEU:HB2	1:17:B:HIS:HB3	10	0.11
(1,2039)	1:14:A:LEU:HB2	1:17:A:HIS:HB3	10	0.11
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	5	0.11
(1,2037)	1:17:A:HIS:HB2	1:54:A:LEU:HA	2	0.11
(1,2037)	1:20:A:THR:HA	1:17:A:HIS:HB2	5	0.11
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	3	0.11
(1,1844)	1:41:B:ASN:HB2	1:42:B:GLU:HG3	10	0.11
(1,1843)	1:41:A:ASN:HB2	1:42:A:GLU:HG3	10	0.11
(1,1810)	1:39:B:HIS:H	1:37:B:GLU:HG2	1	0.11
(1,1809)	1:39:A:HIS:H	1:37:A:GLU:HG2	15	0.11
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	11	0.11
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	13	0.11
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	11	0.11
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	13	0.11
(1,1745)	1:64:A:TYR:HB3	1:61:B:LEU:HD22	3	0.11
(1,1723)	1:9:A:LEU:HB2	1:15:A:GLU:HB3	5	0.11
(1,1723)	1:9:A:LEU:HB2	1:15:A:GLU:HB3	8	0.11
(1,1706)	1:40:B:LEU:HB3	1:35:B:LEU:HD11	9	0.11
(1,1705)	1:40:A:LEU:HB3	1:35:A:LEU:HD11	9	0.11
(1,1652)	1:63:B:ASP:HB3	1:62:B:LEU:HG	13	0.11
(1,1651)	1:63:A:ASP:HB3	1:62:A:LEU:HG	13	0.11
(1,1466)	1:35:B:LEU:HB2	1:21:B:LEU:HD12	5	0.11
(1,1465)	1:35:A:LEU:HB2	1:21:A:LEU:HD12	5	0.11
(1,1439)	1:36:A:ARG:HD3	1:34:A:GLU:H	6	0.11
(1,1426)	1:36:B:ARG:HD2	1:55:B:LEU:HD22	12	0.11
(1,1417)	1:51:A:ARG:HD2	1:48:A:PRO:HB2	7	0.11
(1,1296)	1:52:B:ALA:HA	1:53:A:LYS:HD2	4	0.11
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	4	0.11
(1,1295)	1:52:A:ALA:HA	1:53:B:LYS:HD2	13	0.11
(1,1254)	1:27:B:GLN:HA	1:26:B:TYR:HB3	1	0.11
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:27:A:GLN:HA	1:26:A:TYR:HB3	2	0.11
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	7	0.11
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	10	0.11
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	7	0.11
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	10	0.11
(1,1173)	1:54:A:LEU:HA	1:12:A:ILE:HB	14	0.11
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	13	0.11
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	15	0.11
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	9	0.11
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	13	0.11
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	15	0.11
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	1	0.11
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	3	0.11
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	4	0.11
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	5	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	1	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	3	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	4	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	5	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	7	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	9	0.11
(1,1121)	1:42:A:GLU:H	1:42:A:GLU:HA	15	0.11
(1,1115)	1:59:A:GLU:HA	1:59:A:GLU:HB3	9	0.11
(1,1114)	1:7:B:GLU:HA	1:7:B:GLU:HB3	5	0.11
(1,1113)	1:7:A:GLU:HA	1:7:A:GLU:HB3	5	0.11
(1,1102)	1:28:B:THR:HA	1:26:B:TYR:HA	8	0.11
(1,1101)	1:28:A:THR:HA	1:26:A:TYR:HA	8	0.11
(1,1050)	1:6:B:HIS:HA	1:5:B:LEU:HD21	14	0.11
(1,1049)	1:6:A:HIS:HA	1:5:A:LEU:HD21	14	0.11
(1,998)	1:45:B:ILE:HA	1:46:B:MET:HB2	5	0.11
(1,997)	1:45:A:ILE:HA	1:46:A:MET:HB2	8	0.11
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG22	7	0.11
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG22	7	0.11
(1,887)	1:18:A:THR:HB	1:15:A:GLU:HB2	13	0.11
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	8	0.11
(1,754)	1:66:B:THR:H	1:67:B:GLY:HA3	9	0.11
(1,636)	1:58:B:ALA:H	1:55:B:LEU:HD11	8	0.11
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	3	0.11
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	5	0.11
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB3	6	0.11
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	3	0.11
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:53:B:LYS:H	1:53:B:LYS:HE3	3	0.11
(1,571)	1:53:A:LYS:H	1:53:A:LYS:HE3	11	0.11
(1,504)	1:45:B:ILE:H	1:45:B:ILE:HG12	2	0.11
(1,450)	1:39:B:HIS:H	1:55:B:LEU:HD22	8	0.11
(1,449)	1:39:A:HIS:H	1:55:A:LEU:HD22	8	0.11
(1,350)	1:30:B:GLU:H	1:62:B:LEU:HD13	3	0.11
(1,349)	1:30:A:GLU:H	1:62:A:LEU:HD13	3	0.11
(1,308)	1:26:B:TYR:H	1:25:B:GLY:HA2	12	0.11
(1,273)	1:23:A:LEU:H	1:23:A:LEU:HD22	14	0.11
(1,251)	1:20:A:THR:H	1:23:A:LEU:HG	7	0.11
(1,190)	1:13:B:GLY:H	1:14:B:LEU:HD21	8	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD12	3	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD11	10	0.11
(1,186)	1:12:B:ILE:H	1:12:B:ILE:HD11	11	0.11
(1,185)	1:12:A:ILE:H	1:8:A:LEU:HD22	1	0.11
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD12	3	0.11
(1,185)	1:12:A:ILE:H	1:12:A:ILE:HD11	10	0.11
(1,164)	1:11:B:ARG:H	1:11:B:ARG:HD3	5	0.11
(1,163)	1:11:A:ARG:H	1:11:A:ARG:HD3	5	0.11
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	11	0.11
(1,136)	1:8:B:LEU:H	1:7:B:GLU:HG3	14	0.11
(1,135)	1:8:A:LEU:H	1:7:A:GLU:HG3	11	0.11
(1,128)	1:8:B:LEU:H	1:9:B:LEU:HD21	10	0.11
(1,127)	1:8:A:LEU:H	1:9:A:LEU:HD21	10	0.11
(1,44)	1:53:B:LYS:H	1:53:A:LYS:HG3	8	0.11
(2,4920)	1:60:B:LEU:HD23	1:8:A:LEU:HG	2	0.1
(2,4906)	1:61:B:LEU:HD12	1:60:A:LEU:HB3	7	0.1
(2,4905)	1:61:A:LEU:HD12	1:60:B:LEU:HB3	7	0.1
(2,4826)	1:55:B:LEU:HD23	1:53:A:LYS:HE3	4	0.1
(2,4802)	1:53:B:LYS:HE2	1:56:A:THR:HG23	12	0.1
(2,4767)	1:60:A:LEU:HD22	1:57:B:ALA:HB1	6	0.1
(2,4693)	1:39:A:HIS:HE1	1:26:A:TYR:HE2	5	0.1
(2,4692)	1:31:B:ASP:HB2	1:26:B:TYR:HD2	2	0.1
(2,4691)	1:31:A:ASP:HB2	1:26:A:TYR:HD2	2	0.1
(2,4584)	1:35:B:LEU:HD23	1:26:B:TYR:HE1	7	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD12	4	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	6	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD11	7	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	9	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	13	0.1
(2,4436)	1:9:B:LEU:HG	1:9:B:LEU:HD13	15	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD12	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	6	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD11	7	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	9	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	13	0.1
(2,4435)	1:9:A:LEU:HG	1:9:A:LEU:HD13	15	0.1
(2,4405)	1:29:A:LEU:HG	1:8:A:LEU:HD13	14	0.1
(2,4352)	1:58:B:ALA:HB1	1:32:B:PHE:HD2	11	0.1
(2,4351)	1:58:A:ALA:HB1	1:32:A:PHE:HD2	11	0.1
(2,4161)	1:12:A:ILE:HD11	1:11:A:ARG:H	10	0.1
(2,4124)	1:45:B:ILE:HG22	1:51:B:ARG:HA	1	0.1
(2,4123)	1:45:A:ILE:HG22	1:51:A:ARG:HA	1	0.1
(2,4040)	1:52:B:ALA:H	1:52:B:ALA:HB3	3	0.1
(2,4039)	1:52:A:ALA:H	1:52:A:ALA:HB3	3	0.1
(2,4030)	1:28:B:THR:H	1:28:B:THR:HG23	5	0.1
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	1	0.1
(2,4029)	1:28:A:THR:H	1:28:A:THR:HG22	2	0.1
(2,4022)	1:28:B:THR:HB	1:28:B:THR:HG23	12	0.1
(2,4019)	1:18:A:THR:HG23	1:22:A:LEU:H	3	0.1
(2,3931)	1:36:A:ARG:HD2	1:55:A:LEU:HD11	4	0.1
(2,3837)	1:24:A:ASN:HB2	1:43:A:LEU:HD23	15	0.1
(2,3780)	1:35:B:LEU:HD21	1:21:B:LEU:HD12	11	0.1
(2,3779)	1:35:A:LEU:HD21	1:21:A:LEU:HD12	11	0.1
(2,3729)	1:22:A:LEU:HD11	1:19:A:SER:H	2	0.1
(2,3712)	1:61:B:LEU:HD23	1:64:A:TYR:HD2	10	0.1
(2,3625)	1:3:A:LYS:HA	1:3:A:LYS:HG3	2	0.1
(2,3618)	1:24:B:ASN:HD22	1:43:B:LEU:HD12	3	0.1
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	12	0.1
(2,3600)	1:43:B:LEU:HB3	1:43:B:LEU:HD13	14	0.1
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD11	2	0.1
(2,3599)	1:43:A:LEU:HB3	1:43:A:LEU:HD13	14	0.1
(2,3582)	1:4:B:THR:H	1:29:B:LEU:HD11	9	0.1
(2,3524)	1:30:B:GLU:HA	1:33:B:LYS:HG3	13	0.1
(2,3523)	1:30:A:GLU:HA	1:33:A:LYS:HG3	13	0.1
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	2	0.1
(2,3515)	1:13:A:GLY:H	1:14:A:LEU:HG	14	0.1
(2,3494)	1:6:B:HIS:HB2	1:5:B:LEU:HD13	1	0.1
(2,3493)	1:6:A:HIS:HB2	1:5:A:LEU:HD13	1	0.1
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD21	2	0.1
(2,3165)	1:6:A:HIS:HB3	1:22:A:LEU:HD23	3	0.1
(2,3112)	1:51:B:ARG:HG3	1:37:B:GLU:HG2	6	0.1
(2,2992)	1:51:B:ARG:HB2	1:55:B:LEU:HD23	8	0.1
(2,2991)	1:51:A:ARG:HB2	1:55:A:LEU:HD23	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2850)	1:28:B:THR:H	1:27:B:GLN:HG3	8	0.1
(2,2849)	1:28:A:THR:H	1:27:A:GLN:HG3	8	0.1
(2,2769)	1:34:A:GLU:H	1:34:A:GLU:HG2	14	0.1
(2,2766)	1:34:B:GLU:HG2	1:33:B:LYS:HA	1	0.1
(2,2764)	1:34:B:GLU:HG2	1:34:B:GLU:HB3	8	0.1
(2,2763)	1:34:A:GLU:HG2	1:34:A:GLU:HB3	8	0.1
(2,2742)	1:42:B:GLU:HG2	1:43:B:LEU:HD13	2	0.1
(2,2558)	1:29:B:LEU:HA	1:32:B:PHE:HB2	13	0.1
(2,2486)	1:55:B:LEU:HB3	1:55:B:LEU:HD11	11	0.1
(2,2485)	1:55:A:LEU:HB3	1:55:A:LEU:HD11	11	0.1
(2,2484)	1:55:B:LEU:HB2	1:36:B:ARG:HA	10	0.1
(2,2347)	1:24:A:ASN:H	1:23:A:LEU:HB3	14	0.1
(2,2334)	1:62:B:LEU:HB2	1:33:B:LYS:HA	1	0.1
(2,2333)	1:62:A:LEU:HB2	1:33:A:LYS:HA	1	0.1
(2,2212)	1:11:B:ARG:H	1:11:B:ARG:HD3	1	0.1
(2,2211)	1:11:A:ARG:H	1:11:A:ARG:HD3	1	0.1
(2,2104)	1:47:B:ASP:HA	1:48:B:PRO:HD2	14	0.1
(2,2052)	1:44:B:ASN:HA	1:44:B:ASN:HB3	10	0.1
(2,2051)	1:44:A:ASN:HA	1:44:A:ASN:HB3	5	0.1
(2,2051)	1:44:A:ASN:HA	1:44:A:ASN:HB3	10	0.1
(2,2027)	1:63:A:ASP:HA	1:65:A:ASP:H	7	0.1
(2,1446)	1:18:B:THR:HB	1:9:B:LEU:HD13	13	0.1
(2,1445)	1:18:A:THR:HB	1:9:A:LEU:HD13	13	0.1
(2,1367)	1:27:A:GLN:HE21	1:27:A:GLN:HA	8	0.1
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	6	0.1
(2,1342)	1:46:B:MET:H	1:46:B:MET:HB3	10	0.1
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	3	0.1
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	6	0.1
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	10	0.1
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	11	0.1
(2,1341)	1:46:A:MET:H	1:46:A:MET:HB3	15	0.1
(2,1302)	1:16:B:GLU:H	1:14:B:LEU:H	4	0.1
(2,1142)	1:66:B:THR:H	1:65:B:ASP:HB2	14	0.1
(2,1074)	1:61:B:LEU:H	1:58:B:ALA:HB3	9	0.1
(2,810)	1:43:B:LEU:H	1:45:B:ILE:HD13	6	0.1
(2,622)	1:33:B:LYS:H	1:33:B:LYS:HG3	4	0.1
(2,621)	1:33:A:LYS:H	1:33:A:LYS:HG3	4	0.1
(2,388)	1:21:B:LEU:H	1:26:B:TYR:HB3	4	0.1
(2,302)	1:16:B:GLU:H	1:9:B:LEU:HD23	6	0.1
(2,301)	1:16:A:GLU:H	1:9:A:LEU:HD23	6	0.1
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	10	0.1
(2,234)	1:11:B:ARG:H	1:10:B:GLU:HG2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:11:A:ARG:H	1:10:A:GLU:HG2	14	0.1
(2,136)	1:4:B:THR:H	1:7:B:GLU:HA	13	0.1
(2,135)	1:4:A:THR:H	1:7:A:GLU:HA	13	0.1
(2,84)	1:67:B:GLY:H	1:69:A:GLU:H	13	0.1
(2,55)	1:58:A:ALA:H	1:60:B:LEU:HD23	12	0.1
(2,14)	1:49:B:GLN:H	1:52:A:ALA:HB3	3	0.1
(2,13)	1:49:A:GLN:H	1:52:B:ALA:HB2	10	0.1
(1,3180)	1:8:B:LEU:HG	1:60:A:LEU:HD23	15	0.1
(1,3130)	1:8:B:LEU:HD13	1:60:A:LEU:HD23	2	0.1
(1,3129)	1:8:A:LEU:HD13	1:60:B:LEU:HD23	2	0.1
(1,3128)	1:49:B:GLN:HB3	1:49:A:GLN:HA	8	0.1
(1,3065)	1:64:A:TYR:HE1	1:61:B:LEU:HD23	3	0.1
(1,3065)	1:64:A:TYR:HE2	1:61:B:LEU:HD23	14	0.1
(1,3029)	1:26:A:TYR:HB2	1:26:A:TYR:HE2	15	0.1
(1,3019)	1:64:A:TYR:HE1	1:66:B:THR:H	11	0.1
(1,2947)	1:60:A:LEU:HD21	1:64:A:TYR:HD1	12	0.1
(1,2904)	1:56:B:THR:HG21	1:60:B:LEU:HD11	10	0.1
(1,2903)	1:56:A:THR:HG21	1:60:A:LEU:HD13	2	0.1
(1,2865)	1:7:A:GLU:HG3	1:3:A:LYS:HA	15	0.1
(1,2860)	1:21:B:LEU:H	1:45:B:ILE:HD11	6	0.1
(1,2859)	1:21:A:LEU:H	1:45:A:ILE:HD11	6	0.1
(1,2662)	1:15:B:GLU:HA	1:9:B:LEU:HD12	4	0.1
(1,2654)	1:9:B:LEU:HD12	1:12:B:ILE:HD12	13	0.1
(1,2653)	1:9:A:LEU:HD12	1:12:A:ILE:HD12	13	0.1
(1,2650)	1:38:B:THR:H	1:55:B:LEU:HD11	12	0.1
(1,2606)	1:63:B:ASP:H	1:60:B:LEU:HD11	12	0.1
(1,2605)	1:63:A:ASP:H	1:60:A:LEU:HD11	12	0.1
(1,2602)	1:60:B:LEU:HD13	1:57:A:ALA:HA	4	0.1
(1,2601)	1:60:A:LEU:HD13	1:57:B:ALA:HA	4	0.1
(1,2550)	1:5:B:LEU:HD23	1:29:B:LEU:H	1	0.1
(1,2550)	1:5:B:LEU:H	1:5:B:LEU:HD23	4	0.1
(1,2474)	1:62:B:LEU:HD11	1:62:B:LEU:HG	2	0.1
(1,2473)	1:62:A:LEU:HD13	1:62:A:LEU:HG	2	0.1
(1,2393)	1:35:A:LEU:HD23	1:39:A:HIS:H	1	0.1
(1,2316)	1:9:B:LEU:HD23	1:5:B:LEU:HA	15	0.1
(1,2315)	1:9:A:LEU:HD23	1:5:A:LEU:HA	15	0.1
(1,2287)	1:58:A:ALA:H	1:55:A:LEU:HG	1	0.1
(1,2231)	1:8:A:LEU:HG	1:12:A:ILE:HB	12	0.1
(1,2143)	1:6:A:HIS:HB3	1:5:A:LEU:HB3	12	0.1
(1,2136)	1:42:B:GLU:HB3	1:41:B:ASN:HB2	11	0.1
(1,2135)	1:42:A:GLU:HB3	1:41:A:ASN:HB2	5	0.1
(1,2038)	1:20:B:THR:HA	1:17:B:HIS:HB2	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	6	0.1
(1,1890)	1:54:B:LEU:H	1:53:B:LYS:HB3	14	0.1
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	6	0.1
(1,1889)	1:54:A:LEU:H	1:53:A:LYS:HB3	14	0.1
(1,1778)	1:26:B:TYR:HB3	1:5:B:LEU:HB3	4	0.1
(1,1777)	1:26:A:TYR:HB3	1:5:A:LEU:HB3	4	0.1
(1,1752)	1:64:B:TYR:HB3	1:60:B:LEU:HG	10	0.1
(1,1751)	1:64:A:TYR:HB3	1:60:A:LEU:HG	10	0.1
(1,1724)	1:9:B:LEU:HB2	1:15:B:GLU:HB3	5	0.1
(1,1724)	1:9:B:LEU:HB2	1:15:B:GLU:HB3	8	0.1
(1,1680)	1:24:B:ASN:HB3	1:23:B:LEU:HB3	7	0.1
(1,1665)	1:55:A:LEU:HB3	1:37:A:GLU:HG3	2	0.1
(1,1574)	1:62:B:LEU:HB2	1:11:A:ARG:HD3	2	0.1
(1,1441)	1:11:A:ARG:HD3	1:60:B:LEU:HD11	14	0.1
(1,1425)	1:36:A:ARG:HD2	1:55:A:LEU:HD22	12	0.1
(1,1422)	1:46:B:MET:H	1:51:B:ARG:HD2	8	0.1
(1,1414)	1:51:B:ARG:HD2	1:47:B:ASP:HB2	1	0.1
(1,1413)	1:51:A:ARG:HD2	1:47:A:ASP:HB2	1	0.1
(1,1310)	1:63:B:ASP:H	1:63:B:ASP:HA	11	0.1
(1,1309)	1:63:A:ASP:H	1:63:A:ASP:HA	3	0.1
(1,1309)	1:63:A:ASP:H	1:63:A:ASP:HA	11	0.1
(1,1309)	1:63:A:ASP:H	1:63:A:ASP:HA	14	0.1
(1,1259)	1:3:A:LYS:HA	1:3:A:LYS:HG2	5	0.1
(1,1182)	1:11:B:ARG:HA	1:11:B:ARG:HB2	4	0.1
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	4	0.1
(1,1181)	1:11:A:ARG:HA	1:11:A:ARG:HB2	8	0.1
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	2	0.1
(1,1156)	1:50:B:HIS:HA	1:49:B:GLN:HB2	9	0.1
(1,1155)	1:50:A:HIS:HA	1:49:A:GLN:HB2	12	0.1
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	7	0.1
(1,1122)	1:42:B:GLU:H	1:42:B:GLU:HA	9	0.1
(1,1116)	1:59:B:GLU:HA	1:59:B:GLU:HB3	2	0.1
(1,1115)	1:59:A:GLU:HA	1:59:A:GLU:HB3	2	0.1
(1,1109)	1:7:A:GLU:HA	1:5:A:LEU:HD22	5	0.1
(1,932)	1:48:B:PRO:HA	1:45:B:ILE:HG23	15	0.1
(1,931)	1:48:A:PRO:HA	1:45:A:ILE:HG23	15	0.1
(1,921)	1:56:A:THR:HA	1:59:A:GLU:HG2	2	0.1
(1,888)	1:18:B:THR:HB	1:15:B:GLU:HB2	13	0.1
(1,846)	1:7:B:GLU:H	1:29:B:LEU:HG	4	0.1
(1,845)	1:7:A:GLU:H	1:29:A:LEU:HG	4	0.1
(1,753)	1:66:A:THR:H	1:67:A:GLY:HA3	8	0.1
(1,622)	1:57:B:ALA:H	1:58:B:ALA:HB2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:57:A:ALA:H	1:58:A:ALA:HB2	7	0.1
(1,491)	1:43:A:LEU:H	1:39:A:HIS:HB3	12	0.1
(1,491)	1:43:A:LEU:H	1:41:A:ASN:HB2	13	0.1
(1,307)	1:26:A:TYR:H	1:25:A:GLY:HA2	12	0.1
(1,252)	1:20:B:THR:H	1:23:B:LEU:HG	7	0.1
(1,186)	1:12:B:ILE:H	1:8:B:LEU:HD22	1	0.1

10 Dihedral-angle violation analysis

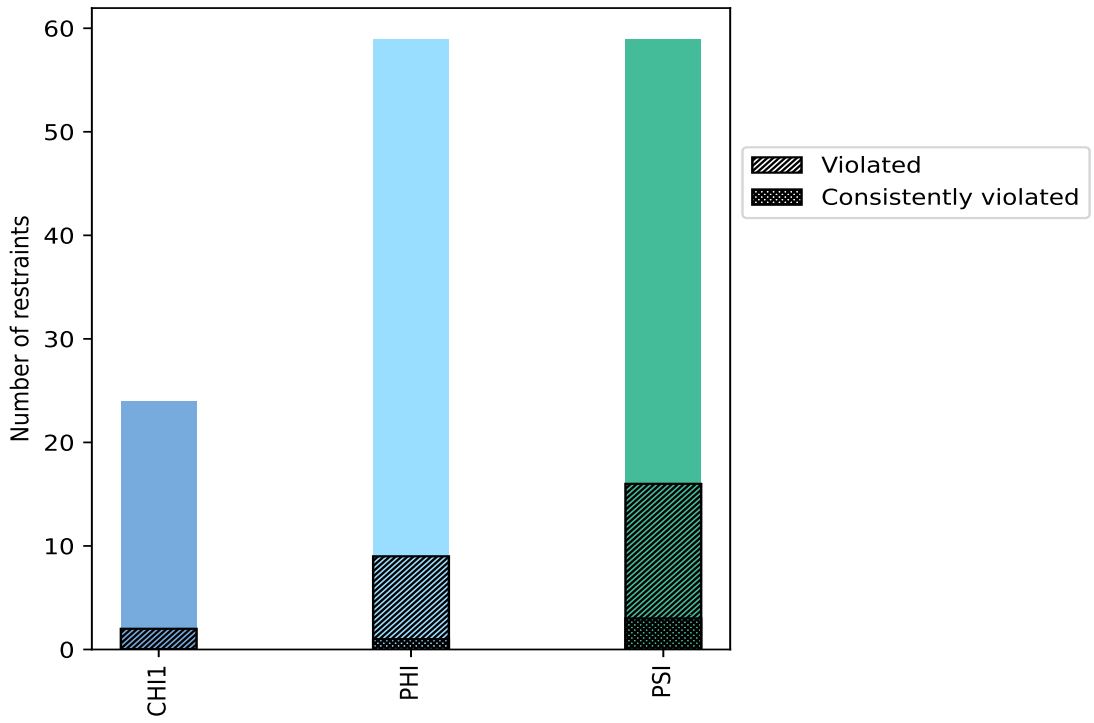
10.1 Summary of dihedral-angle violations

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]
CHI1	24	16.9	2	8.3	1.4	0	0.0	0.0
PHI	59	41.5	9	15.3	6.3	1	1.7	0.7
PSI	59	41.5	16	27.1	11.3	3	5.1	2.1
Total	142	100.0	27	19.0	19.0	4	2.8	2.8

[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



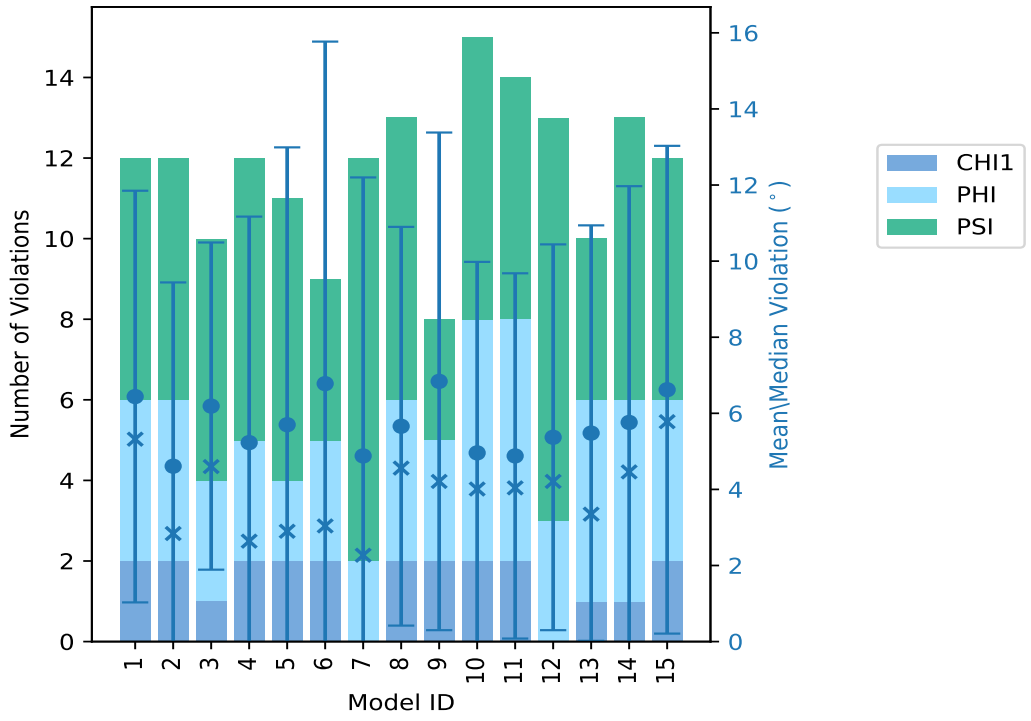
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	CHI1	PHI	PSI	Total				
1	2	4	6	12	6.44	23.19	5.41	5.32
2	2	4	6	12	4.61	19.44	4.83	2.84
3	1	3	6	10	6.19	16.32	4.3	4.6
4	2	3	7	12	5.23	22.88	5.94	2.64
5	2	2	7	11	5.7	27.37	7.29	2.9
6	2	3	4	9	6.78	31.43	8.99	3.04
7	0	2	10	12	4.88	28.61	7.32	2.27
8	2	4	7	13	5.66	20.98	5.24	4.56
9	2	3	3	8	6.84	23.72	6.54	4.21
10	2	6	7	15	4.96	21.3	5.02	4.01
11	2	6	6	14	4.88	21.02	4.8	4.04
12	0	3	10	13	5.37	21.7	5.07	4.21
13	1	5	4	10	5.48	19.58	5.46	3.35
14	1	5	7	13	5.76	25.7	6.21	4.46
15	2	4	6	12	6.62	26.38	6.41	5.78

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



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

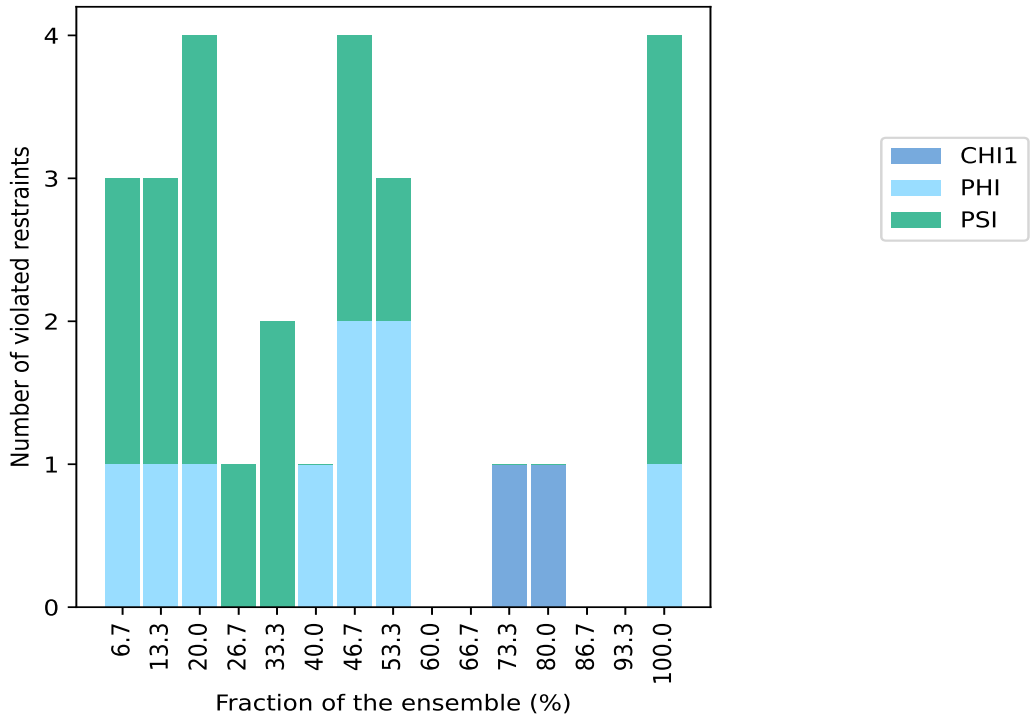
10.3 Dihedral-angle violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints				Fraction of the ensemble	
CHI1	PHI	PSI	Total	Count[1]	%
0	1	2	3	1	6.7
0	1	2	3	2	13.3
0	1	3	4	3	20.0
0	0	1	1	4	26.7
0	0	2	2	5	33.3
0	1	0	1	6	40.0
0	2	2	4	7	46.7
0	2	1	3	8	53.3
0	0	0	0	9	60.0
0	0	0	0	10	66.7
1	0	0	1	11	73.3
1	0	0	1	12	80.0
0	0	0	0	13	86.7
0	0	0	0	14	93.3
0	1	3	4	15	100.0

[1] Number of models with violations

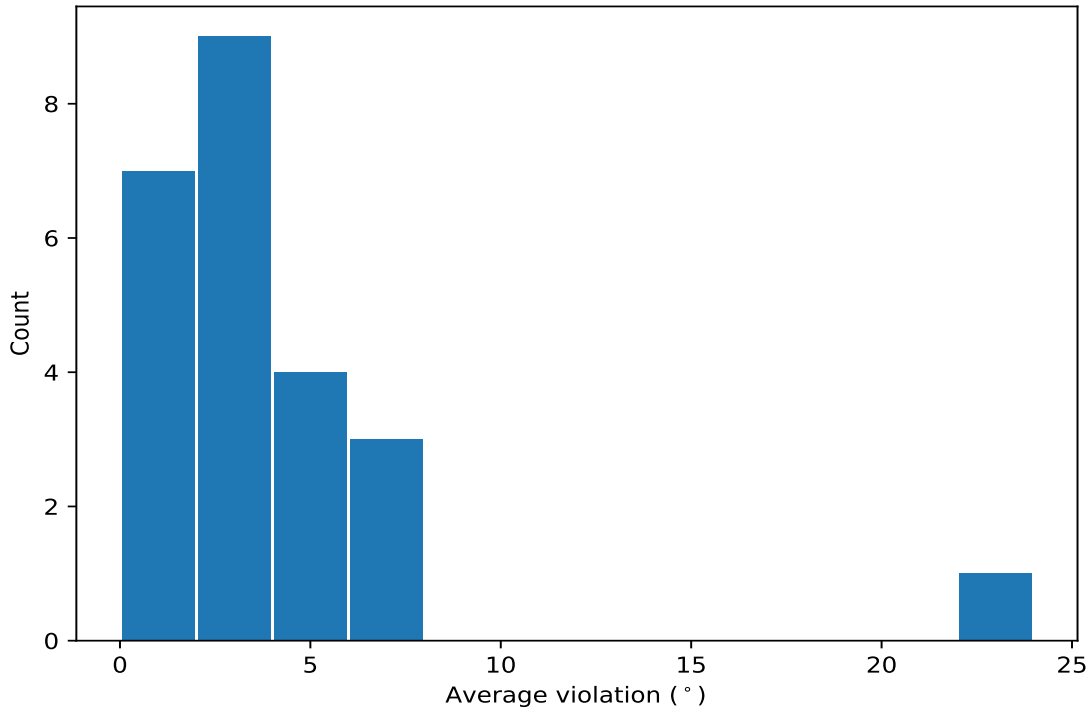
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



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
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	15	23.31	3.84	22.88
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	15	7.02	2.56	6.76
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	15	5.21	1.05	5.01
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	15	4.16	1.08	4.18
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	12	3.8	1.7	3.39
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	11	6.5	2.03	5.93
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	8	4.96	2.31	4.36
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	8	3.19	1.56	2.63
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	8	2.71	1.06	2.97
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	7	6.23	2.86	7.59
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	7	3.33	1.82	2.51
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	7	2.21	0.93	2.07
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	7	2.19	1.12	1.87
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	6	2.03	0.73	1.92
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	5	3.79	2.01	4.42
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	5	1.71	0.45	1.62
(2,19)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:C	1:13:A:GLY:N	4	1.51	0.47	1.48
(2,61)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:ARG:N	3	5.68	2.55	7.37
(2,23)	1:15:A:GLU:N	1:15:A:GLU:CA	1:15:A:GLU:C	1:16:A:GLU:N	3	2.49	1.18	2.34
(2,88)	1:48:A:PRO:C	1:49:A:GLN:N	1:49:A:GLN:CA	1:49:A:GLN:C	3	1.58	0.55	1.4
(2,57)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:GLU:N	3	1.16	0.17	1.07

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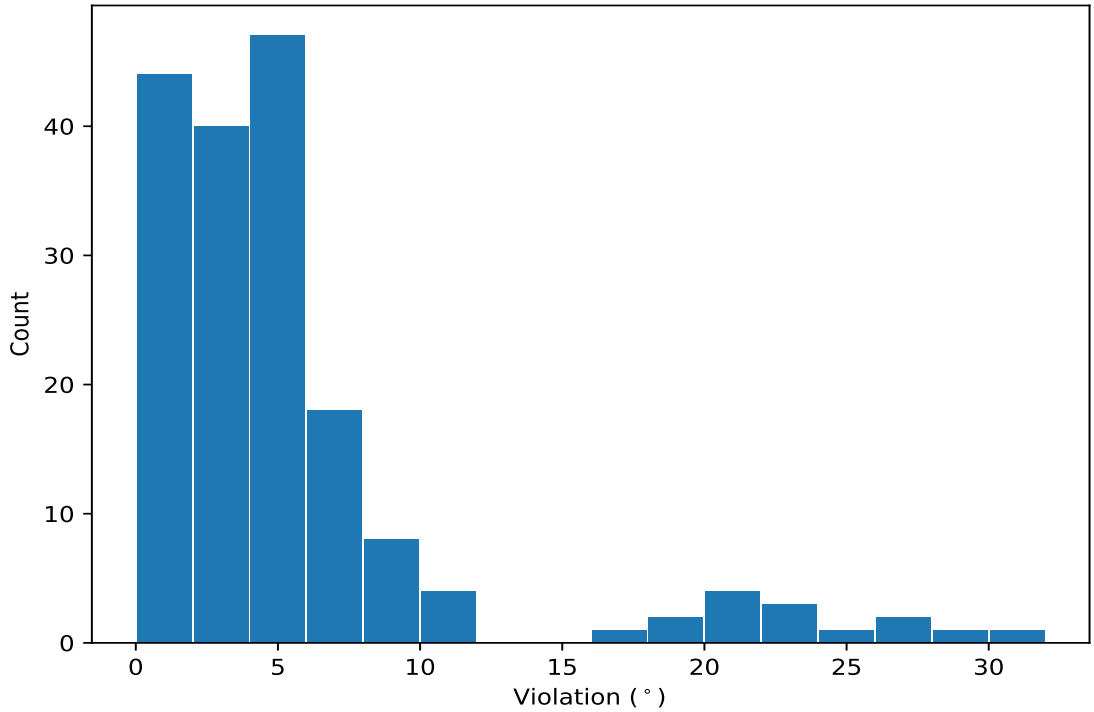
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(2,114)	1:61:A:LEU:C	1:62:A:LEU:N	1:62:A:LEU:CA	1:62:A:LEU:C	2	1.68	0.58	1.68
(2,77)	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	1:44:A:ASN:N	2	1.34	0.22	1.34
(2,107)	1:59:A:GLU:N	1:59:A:GLU:CA	1:59:A:GLU:C	1:60:A:LEU:N	2	1.32	0.04	1.32

[1] Number of violated models, [2]Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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 (°)
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	6	31.43
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	7	28.61
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	5	27.37
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	15	26.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	14	25.7
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	9	23.72
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	1	23.19
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	4	22.88
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	12	21.7
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	10	21.3
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	11	21.02
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	8	20.98
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	13	19.58
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	2	19.44
(2,81)	1:45:A:ILE:N	1:45:A:ILE:CA	1:45:A:ILE:C	1:46:A:MET:N	3	16.32
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	8	11.22
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	4	10.63
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	13	10.4
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	3	10.2
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	3	9.63
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	10	9.3
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	14	9.26
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	6	9.21
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	8	8.59
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	5	8.45
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	15	8.22
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	5	8.04
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	1	7.89
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	10	7.64
(2,61)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:ARG:N	12	7.59
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	12	7.59
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	1	7.5
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	15	7.46
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	15	7.45
(2,61)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:ARG:N	14	7.37
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	10	7.02
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	15	6.76
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	9	6.73
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1	6.67
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	2	6.57
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	13	6.56
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	7	6.32
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	11	6.24
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	9	6.22
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	1	6.18
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	15	5.93
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	11	5.92
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	1	5.9
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	4	5.89
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	11	5.84
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	14	5.81
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	8	5.81
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	2	5.68
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	15	5.62
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	12	5.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	14	5.36
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	13	5.35
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	4	5.3
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	8	5.24
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	3	5.18
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	2	5.15
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	2	5.09
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	10	5.07
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	4	5.01
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	7	4.96
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	11	4.85
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	5	4.81
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	8	4.75
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	1	4.73
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	3	4.72
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	10	4.71
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	6	4.66
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	14	4.63
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	8	4.56
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	11	4.53
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	3	4.47
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	14	4.46
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	12	4.42
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	13	4.39
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	6	4.33
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	12	4.33
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	9	4.24
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	12	4.21
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	9	4.18
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	10	4.17
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	1	4.14
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	3	4.13
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	9	4.09
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	11	4.08
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	10	4.01
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	11	4.0
(2,23)	1:15:A:GLU:N	1:15:A:GLU:CA	1:15:A:GLU:C	1:16:A:GLU:N	1	4.0
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	7	3.95
(2,70)	1:38:A:THR:C	1:39:A:HIS:N	1:39:A:HIS:CA	1:39:A:HIS:C	9	3.88
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	15	3.74
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	1	3.72
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	5	3.65
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	11	3.53
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	12	3.51
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	3	3.34
(1,14)	1:40:A:LEU:N	1:40:A:LEU:CA	1:40:A:LEU:CB	1:40:A:LEU:CG	2	3.26
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	8	3.25
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	14	3.12
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	14	3.06
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	6	3.04
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	11	3.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	5	2.9
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	8	2.88
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	15	2.85
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	7	2.77
(2,109)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:C	1:61:A:LEU:N	4	2.71
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	4	2.58
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	12	2.51
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	7	2.46
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	6	2.44
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	12	2.42
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	2	2.42
(2,49)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:GLU:N	6	2.39
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	4	2.39
(2,23)	1:15:A:GLU:N	1:15:A:GLU:CA	1:15:A:GLU:C	1:16:A:GLU:N	5	2.34
(2,88)	1:48:A:PRO:C	1:49:A:GLN:N	1:49:A:GLN:CA	1:49:A:GLN:C	1	2.33
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	13	2.31
(2,114)	1:61:A:LEU:C	1:62:A:LEU:N	1:62:A:LEU:CA	1:62:A:LEU:C	13	2.26
(2,51)	1:30:A:GLU:N	1:30:A:GLU:CA	1:30:A:GLU:C	1:31:A:ASP:N	12	2.12
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	12	2.11
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	8	2.1
(2,61)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:ARG:N	7	2.08
(2,19)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:C	1:13:A:GLY:N	15	2.07
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	3	2.07
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	14	2.05
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	10	2.01
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	10	2.0
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	2	1.97
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	7	1.96
(2,19)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:C	1:13:A:GLY:N	12	1.88
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	11	1.87
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	2	1.85
(2,116)	1:62:A:LEU:C	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	10	1.83
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	14	1.83
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	6	1.82
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	3	1.82
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	8	1.71
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	13	1.7
(2,16)	1:9:A:LEU:C	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	9	1.69
(2,54)	1:30:A:GLU:C	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:C	6	1.67
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	4	1.64
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	15	1.62
(2,77)	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	1:44:A:ASN:N	7	1.56
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	7	1.53
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	10	1.53
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	5	1.49
(2,43)	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	1:26:A:TYR:N	4	1.42
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	2	1.41
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	2	1.41
(2,117)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:ASP:N	5	1.4
(2,88)	1:48:A:PRO:C	1:49:A:GLN:N	1:49:A:GLN:CA	1:49:A:GLN:C	10	1.4
(2,57)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:GLU:N	8	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,107)	1:59:A:GLU:N	1:59:A:GLU:CA	1:59:A:GLU:C	1:60:A:LEU:N	11	1.35
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	10	1.34
(2,85)	1:48:A:PRO:N	1:48:A:PRO:CA	1:48:A:PRO:C	1:49:A:GLN:N	7	1.3
(2,76)	1:41:A:ASN:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	15	1.29
(2,107)	1:59:A:GLU:N	1:59:A:GLU:CA	1:59:A:GLU:C	1:60:A:LEU:N	13	1.28
(2,15)	1:10:A:GLU:N	1:10:A:GLU:CA	1:10:A:GLU:C	1:11:A:ARG:N	4	1.23
(1,22)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:CB	1:60:A:LEU:CG	5	1.22
(2,23)	1:15:A:GLU:N	1:15:A:GLU:CA	1:15:A:GLU:C	1:16:A:GLU:N	14	1.13
(2,77)	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	1:44:A:ASN:N	14	1.12
(2,114)	1:61:A:LEU:C	1:62:A:LEU:N	1:62:A:LEU:CA	1:62:A:LEU:C	11	1.1
(2,19)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:C	1:13:A:GLY:N	8	1.09
(2,79)	1:44:A:ASN:N	1:44:A:ASN:CA	1:44:A:ASN:C	1:45:A:ILE:N	10	1.08
(2,44)	1:24:A:ASN:C	1:25:A:GLY:N	1:25:A:GLY:CA	1:25:A:GLY:C	2	1.08
(2,91)	1:51:A:ARG:N	1:51:A:ARG:CA	1:51:A:ARG:C	1:52:A:ALA:N	1	1.07
(2,57)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:GLU:N	7	1.07
(2,78)	1:42:A:GLU:C	1:43:A:LEU:N	1:43:A:LEU:CA	1:43:A:LEU:C	4	1.05
(2,88)	1:48:A:PRO:C	1:49:A:GLN:N	1:49:A:GLN:CA	1:49:A:GLN:C	13	1.01
(2,57)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:GLU:N	11	1.01
(2,19)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:C	1:13:A:GLY:N	5	1.01