Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 11:15 AM UTC

PDB ID	:	2MQ0 / pdb_00002mq0
BMRB ID	:	25007
Title	:	NMR structure of the c3 domain of human cardiac myosin binding protein-c
Authors	:	Zhang, X.; De, S.; Mcintosh, L.P.; Paetzel, M.
Deposited on	:	2014-06-10

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

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

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

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

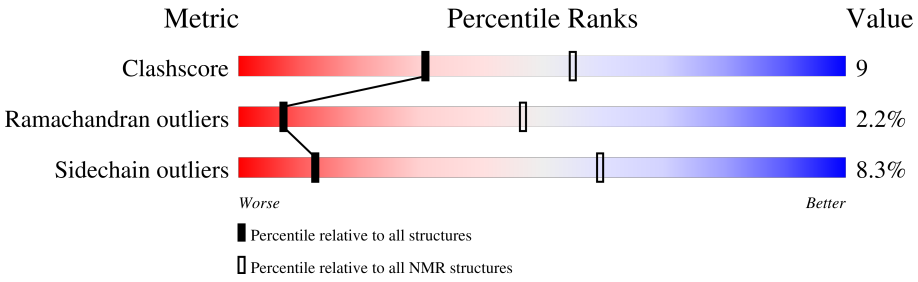
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 92%.

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	95	75% 21% .

2 Ensemble composition and analysis

This entry contains 10 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:453-A:543 (91)	0.65	2

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. No single-model clusters were found.

Cluster number	Models
1	2, 6, 7, 8, 9
2	4, 5, 10
3	1, 3

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1511 atoms, of which 753 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Myosin-binding protein C, cardiac-type.

Mol	Chain	Residues	Atoms						Trace
1	A	95	Total	C	H	N	O	S	0
			1511	475	753	132	146	5	

There are 4 discrepancies between the modelled and reference sequences:

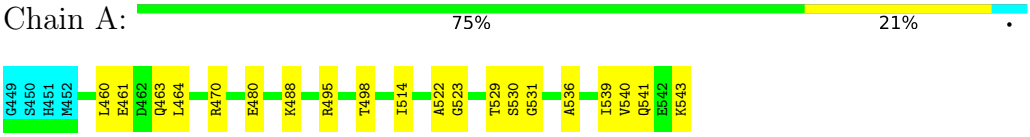
Chain	Residue	Modelled	Actual	Comment	Reference
A	449	GLY	-	expression tag	UNP Q14896
A	450	SER	-	expression tag	UNP Q14896
A	451	HIS	-	expression tag	UNP Q14896
A	452	MET	-	expression tag	UNP Q14896

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Myosin-binding protein C, cardiac-type

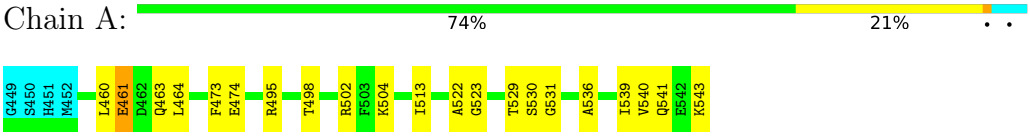


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

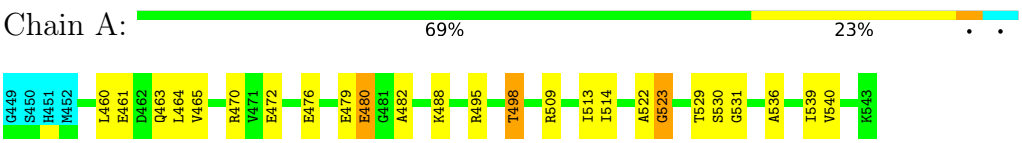
4.2.1 Score per residue for model 1

• Molecule 1: Myosin-binding protein C, cardiac-type



4.2.2 Score per residue for model 2 (medoid)

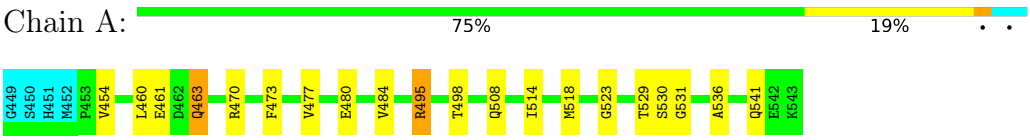
• Molecule 1: Myosin-binding protein C, cardiac-type



4.2.3 Score per residue for model 3

• Molecule 1: Myosin-binding protein C, cardiac-type

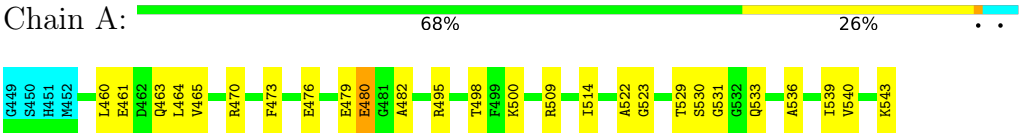
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Myosin-binding protein C, cardiac-type

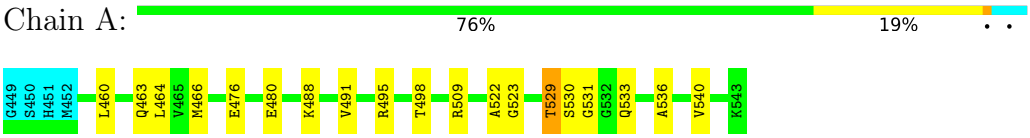
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Myosin-binding protein C, cardiac-type

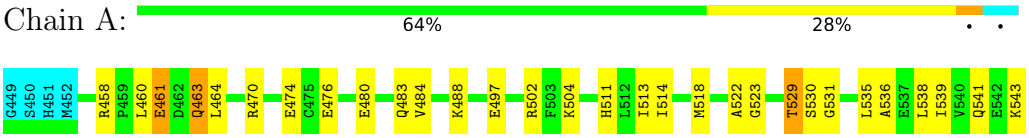
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Myosin-binding protein C, cardiac-type

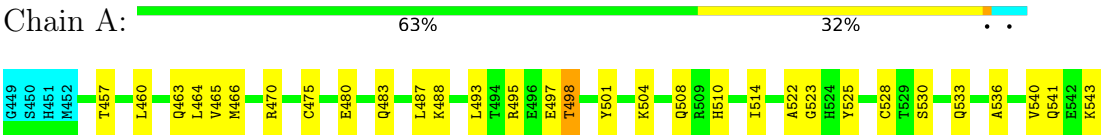
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Myosin-binding protein C, cardiac-type

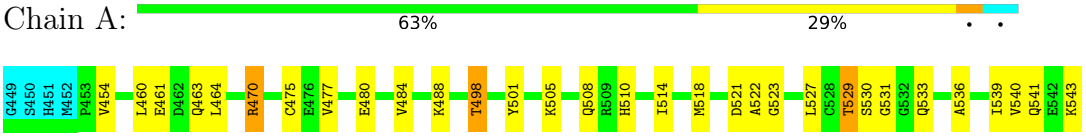
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Myosin-binding protein C, cardiac-type

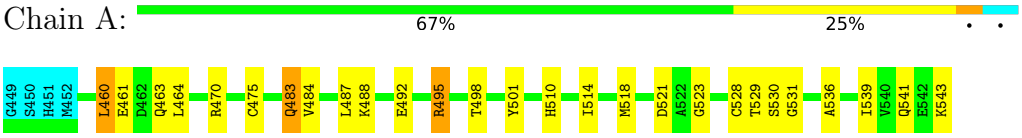
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Myosin-binding protein C, cardiac-type

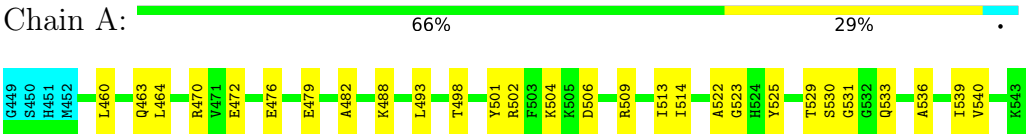
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Myosin-binding protein C, cardiac-type

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 10 calculated structures, 10 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
CYANA	structure solution	
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	1195
Number of shifts mapped to atoms	1195
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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	730	727	724	13±3
All	All	7300	7270	7240	130

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 9.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:476:GLU:HG2	1:A:509:ARG:HB3	0.79	1.53	5	4
1:A:543:LYS:HE2	1:A:543:LYS:HA	0.72	1.62	4	3
1:A:460:LEU:HB3	1:A:536:ALA:HB2	0.71	1.63	10	4
1:A:461:GLU:HG2	1:A:473:PHE:HA	0.69	1.62	4	1
1:A:518:MET:HE2	1:A:518:MET:HA	0.65	1.66	6	2
1:A:480:GLU:HB3	1:A:508:GLN:HG2	0.64	1.68	3	1
1:A:472:GLU:HG2	1:A:513:ILE:HG13	0.63	1.69	10	1
1:A:460:LEU:HB2	1:A:536:ALA:HB2	0.61	1.72	4	5
1:A:461:GLU:HB2	1:A:473:PHE:CD1	0.57	2.34	1	2
1:A:460:LEU:HB2	1:A:536:ALA:CB	0.57	2.30	9	2
1:A:464:LEU:HB2	1:A:539:ILE:O	0.57	1.99	9	7
1:A:458:ARG:HB3	1:A:476:GLU:HB2	0.55	1.79	6	1
1:A:460:LEU:CB	1:A:536:ALA:HB2	0.55	2.31	3	5
1:A:470:ARG:HA	1:A:514:ILE:O	0.55	2.02	9	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:475:CYS:SG	1:A:510:HIS:HB2	0.54	2.43	9	3
1:A:501:TYR:HB3	1:A:514:ILE:HG12	0.53	1.79	10	1
1:A:522:ALA:HB2	1:A:540:VAL:HG23	0.52	1.82	4	7
1:A:488:LYS:O	1:A:491:VAL:HG12	0.52	2.05	5	1
1:A:502:ARG:HB2	1:A:513:ILE:CG2	0.51	2.36	6	2
1:A:464:LEU:H	1:A:464:LEU:HD23	0.51	1.64	5	5
1:A:518:MET:HB2	1:A:521:ASP:HB2	0.51	1.83	9	2
1:A:529:THR:C	1:A:531:GLY:H	0.51	2.13	4	9
1:A:493:LEU:HD11	1:A:525:TYR:HE2	0.50	1.67	10	1
1:A:498:THR:HB	1:A:501:TYR:O	0.49	2.06	9	3
1:A:479:GLU:HB3	1:A:482:ALA:HB2	0.48	1.84	10	3
1:A:480:GLU:HA	1:A:508:GLN:HG2	0.48	1.84	8	1
1:A:495:ARG:H	1:A:495:ARG:NE	0.48	2.06	9	1
1:A:484:VAL:HG12	1:A:529:THR:HG22	0.48	1.86	9	2
1:A:543:LYS:HD2	1:A:543:LYS:C	0.48	2.34	8	1
1:A:487:LEU:HD12	1:A:528:CYS:SG	0.47	2.50	9	1
1:A:470:ARG:C	1:A:470:ARG:HD2	0.47	2.35	10	2
1:A:522:ALA:HB1	1:A:538:LEU:O	0.46	2.10	6	1
1:A:454:VAL:CG1	1:A:477:VAL:HB	0.46	2.41	8	2
1:A:477:VAL:HG22	1:A:508:GLN:O	0.46	2.10	3	1
1:A:461:GLU:HA	1:A:461:GLU:OE1	0.45	2.11	9	1
1:A:480:GLU:CD	1:A:480:GLU:H	0.45	2.20	2	1
1:A:495:ARG:HA	1:A:498:THR:HG23	0.45	1.87	1	2
1:A:479:GLU:OE1	1:A:482:ALA:HA	0.45	2.11	4	1
1:A:461:GLU:HG3	1:A:463:GLN:OE1	0.45	2.12	6	1
1:A:487:LEU:HD13	1:A:528:CYS:SG	0.45	2.52	7	1
1:A:483:GLN:CD	1:A:483:GLN:H	0.44	2.20	9	1
1:A:465:VAL:O	1:A:540:VAL:HA	0.44	2.12	2	2
1:A:525:TYR:HB2	1:A:536:ALA:HB3	0.44	1.89	10	1
1:A:470:ARG:HD3	1:A:470:ARG:O	0.44	2.12	8	1
1:A:495:ARG:N	1:A:495:ARG:HD3	0.43	2.28	1	3
1:A:472:GLU:HG2	1:A:513:ILE:HD13	0.43	1.90	2	1
1:A:493:LEU:HD11	1:A:525:TYR:HE1	0.43	1.73	7	1
1:A:504:LYS:HB2	1:A:511:HIS:HB2	0.43	1.91	6	1
1:A:488:LYS:HG3	1:A:525:TYR:CZ	0.42	2.50	10	1
1:A:529:THR:C	1:A:531:GLY:N	0.42	2.78	4	2
1:A:466:MET:HE3	1:A:543:LYS:HE3	0.42	1.92	7	1
1:A:465:VAL:HG23	1:A:540:VAL:HG22	0.42	1.91	7	1
1:A:460:LEU:CD1	1:A:475:CYS:HB3	0.41	2.45	9	1
1:A:464:LEU:HD23	1:A:464:LEU:H	0.41	1.75	1	1
1:A:484:VAL:HB	1:A:527:LEU:HD11	0.41	1.92	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:497:GLU:HG2	1:A:497:GLU:O	0.41	2.15	6	1
1:A:487:LEU:CD2	1:A:492:GLU:HA	0.41	2.45	9	1
1:A:488:LYS:HD3	1:A:523:GLY:HA3	0.41	1.92	2	1
1:A:461:GLU:HB3	1:A:463:GLN:NE2	0.41	2.31	3	1
1:A:502:ARG:HB2	1:A:513:ILE:HG22	0.41	1.91	6	1
1:A:476:GLU:HG2	1:A:509:ARG:CB	0.40	2.38	5	1
1:A:484:VAL:HG12	1:A:529:THR:HG23	0.40	1.92	6	1
1:A:480:GLU:HA	1:A:508:GLN:HA	0.40	1.94	7	1
1:A:480:GLU:H	1:A:480:GLU:CD	0.40	2.23	4	1
1:A:535:LEU:HD13	1:A:536:ALA:N	0.40	2.31	6	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	90/95 (95%)	84±1 (94±1%)	4±1 (4±1%)	2±0 (2±0%)	7	47
All	All	900/950 (95%)	845 (94%)	35 (4%)	20 (2%)	7	47

All 2 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	523	GLY	10
1	A	530	SER	10

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	78/81 (96%)	72±2 (92±2%)	6±2 (8±2%)	12	59
All	All	780/810 (96%)	715 (92%)	65 (8%)	12	59

All 22 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	463	GLN	10
1	A	498	THR	7
1	A	541	GLN	6
1	A	533	GLN	5
1	A	461	GLU	4
1	A	480	GLU	4
1	A	495	ARG	4
1	A	488	LYS	4
1	A	504	LYS	3
1	A	529	THR	3
1	A	483	GLN	3
1	A	474	GLU	2
1	A	500	LYS	1
1	A	466	MET	1
1	A	543	LYS	1
1	A	457	THR	1
1	A	497	GLU	1
1	A	470	ARG	1
1	A	505	LYS	1
1	A	460	LEU	1
1	A	502	ARG	1
1	A	506	ASP	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

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 92% for the well-defined parts and 91% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1195
Number of shifts mapped to atoms	1195
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	93	-0.11 ± 0.10	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	86	-0.17 ± 0.13	None needed (< 0.5 ppm)
$^{13}C'$	93	0.04 ± 0.09	None needed (< 0.5 ppm)
^{15}N	89	-0.13 ± 0.47	None needed (< 0.5 ppm)

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 92%, i.e. 1175 atoms were assigned a chemical shift out of a possible 1271. 0 out of 18 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	456/458 (100%)	186/187 (99%)	182/182 (100%)	88/89 (99%)
Sidechain	651/729 (89%)	443/471 (94%)	199/230 (87%)	9/28 (32%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	68/84 (81%)	35/41 (85%)	32/36 (89%)	1/7 (14%)
Overall	1175/1271 (92%)	664/699 (95%)	413/448 (92%)	98/124 (79%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 91%, i.e. 1194 atoms were assigned a chemical shift out of a possible 1316. 0 out of 18 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	463/479 (97%)	188/196 (96%)	186/190 (98%)	89/93 (96%)
Sidechain	659/745 (88%)	448/482 (93%)	202/235 (86%)	9/28 (32%)
Aromatic	72/92 (78%)	37/45 (82%)	34/38 (89%)	1/9 (11%)
Overall	1194/1316 (91%)	673/723 (93%)	422/463 (91%)	99/130 (76%)

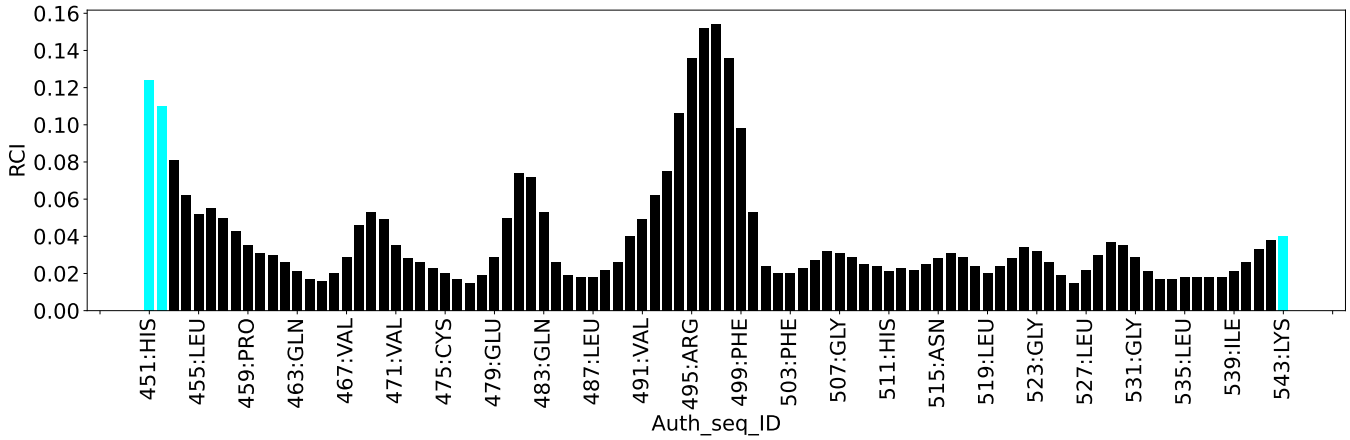
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2319
Intra-residue (|i-j|=0)	419
Sequential (|i-j|=1)	582
Medium range (|i-j|>1 and |i-j|<5)	280
Long range (|i-j|≥5)	1038
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	24.4
Number of long range restraints per residue[1]	10.9

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	87.5	0.2
0.2-0.5 (Medium)	197.9	0.5
>0.5 (Large)	279.6	4.68

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

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

9 Distance violation analysis (i)

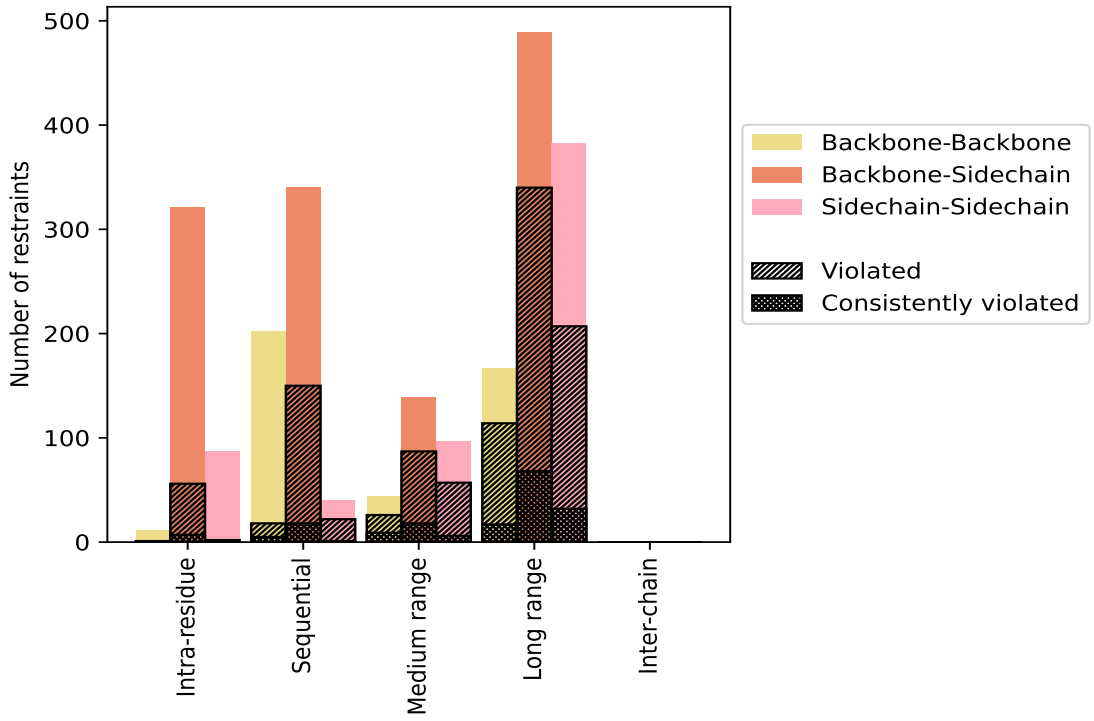
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	419	18.1	59	14.1	2.5	7	1.7	0.3
Backbone-Backbone	11	0.5	1	9.1	0.0	0	0.0	0.0
Backbone-Sidechain	321	13.8	56	17.4	2.4	7	2.2	0.3
Sidechain-Sidechain	87	3.8	2	2.3	0.1	0	0.0	0.0
Sequential (|i-j|=1)	582	25.1	190	32.6	8.2	24	4.1	1.0
Backbone-Backbone	202	8.7	18	8.9	0.8	5	2.5	0.2
Backbone-Sidechain	340	14.7	150	44.1	6.5	18	5.3	0.8
Sidechain-Sidechain	40	1.7	22	55.0	0.9	1	2.5	0.0
Medium range (|i-j|>1 & |i-j|<5)	280	12.1	170	60.7	7.3	33	11.8	1.4
Backbone-Backbone	44	1.9	26	59.1	1.1	9	20.5	0.4
Backbone-Sidechain	139	6.0	87	62.6	3.8	18	12.9	0.8
Sidechain-Sidechain	97	4.2	57	58.8	2.5	6	6.2	0.3
Long range (|i-j|≥5)	1038	44.8	661	63.7	28.5	117	11.3	5.0
Backbone-Backbone	167	7.2	114	68.3	4.9	17	10.2	0.7
Backbone-Sidechain	489	21.1	340	69.5	14.7	68	13.9	2.9
Sidechain-Sidechain	382	16.5	207	54.2	8.9	32	8.4	1.4
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
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	2319	100.0	1080	46.6	46.6	181	7.8	7.8
Backbone-Backbone	424	18.3	159	37.5	6.9	31	7.3	1.3
Backbone-Sidechain	1289	55.6	633	49.1	27.3	111	8.6	4.8
Sidechain-Sidechain	606	26.1	288	47.5	12.4	39	6.4	1.7

[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

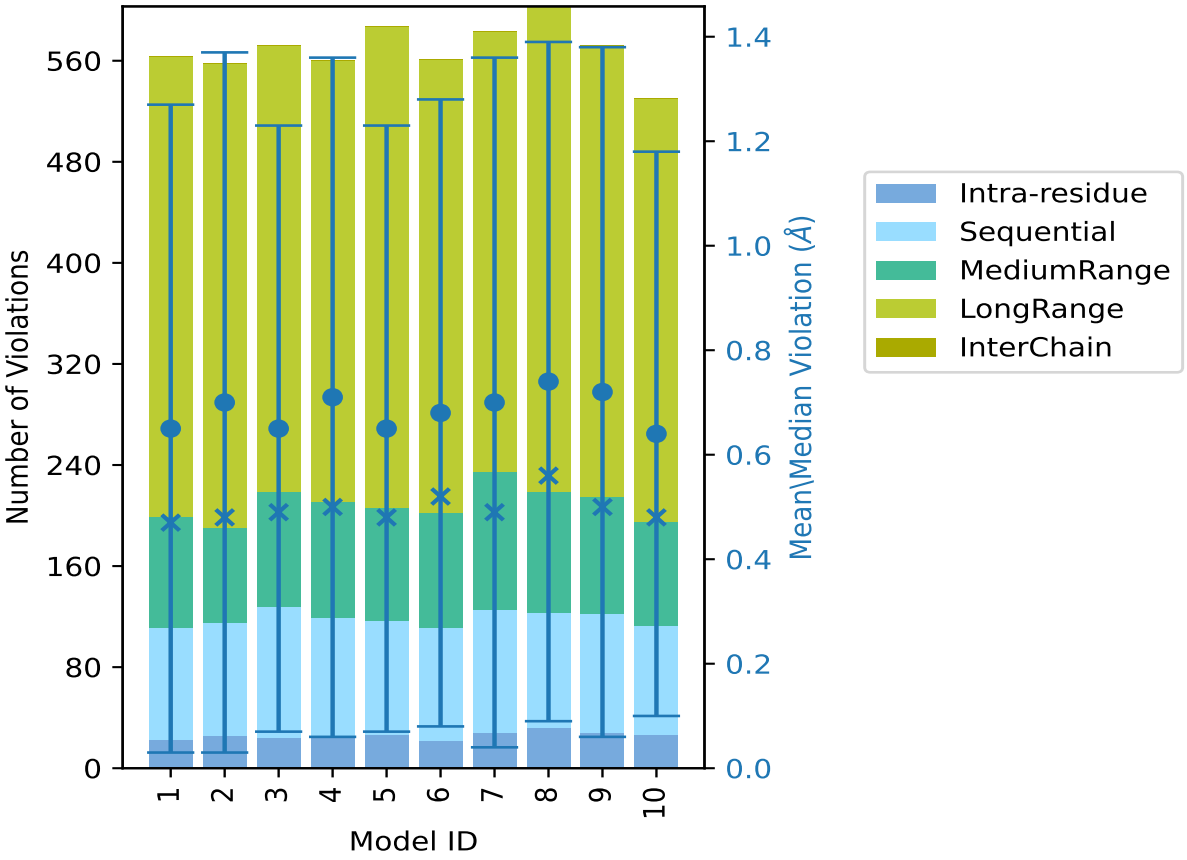
9.2 Distance violation statistics for each model

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	23	88	88	364	0	563	0.65	4.68	0.62	0.47
2	26	89	75	368	0	558	0.7	4.47	0.67	0.48
3	24	104	91	353	0	572	0.65	4.35	0.58	0.49
4	26	93	92	349	0	560	0.71	4.37	0.65	0.5
5	26	91	89	381	0	587	0.65	4.18	0.58	0.48
6	22	89	91	359	0	561	0.68	4.41	0.6	0.52
7	28	97	110	348	0	583	0.7	4.36	0.66	0.49
8	32	91	96	384	0	603	0.74	4.44	0.65	0.56
9	28	94	93	357	0	572	0.72	4.42	0.66	0.5
10	26	87	82	335	0	530	0.64	3.53	0.54	0.48

[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

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, 1239(IR:360, SQ:392, MR:110, LR:377, IC:0) 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]	%
16	41	26	101	0	184	1	10.0
7	16	23	76	0	122	2	20.0
7	23	20	71	0	121	3	30.0

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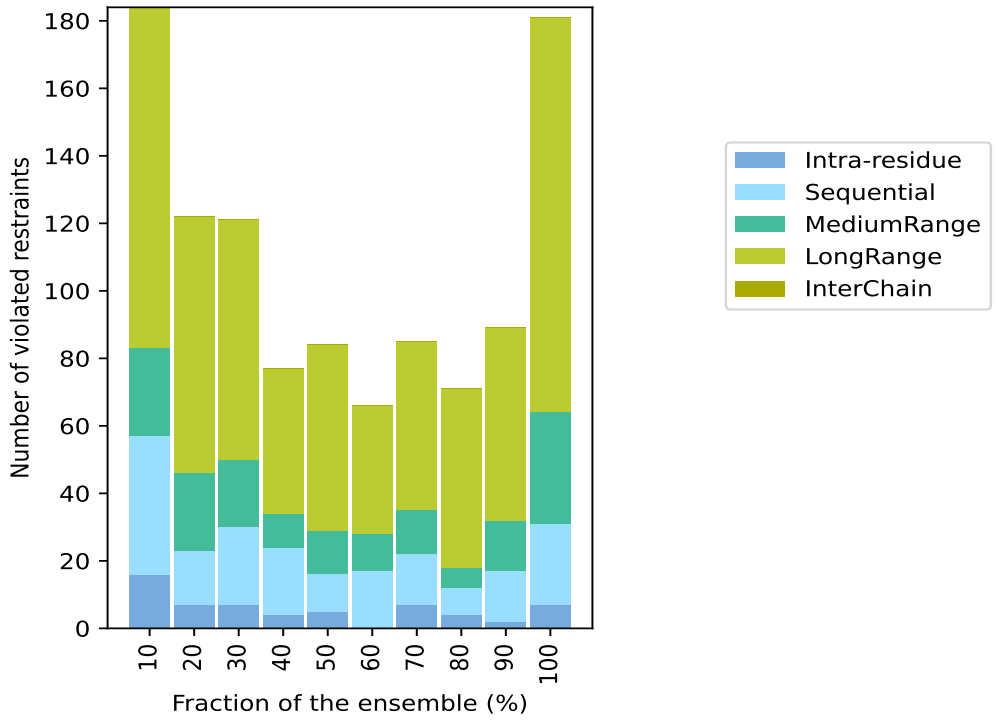
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
4	20	10	43	0	77	4	40.0
5	11	13	55	0	84	5	50.0
0	17	11	38	0	66	6	60.0
7	15	13	50	0	85	7	70.0
4	8	6	53	0	71	8	80.0
2	15	15	57	0	89	9	90.0
7	24	33	117	0	181	10	100.0

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

9.3.1 Bar graph : Distance violation statistics for the ensemble

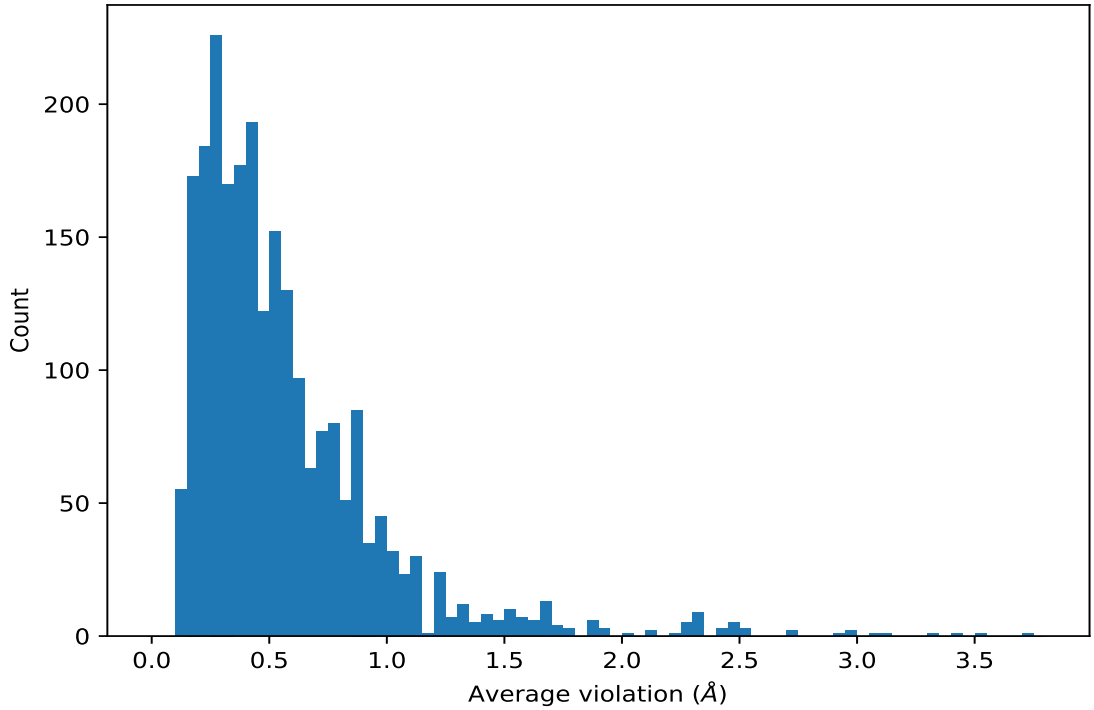


9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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

in the ensemble



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	10	3.73	0.45	3.75
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	10	3.5	0.26	3.5
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	10	3.43	0.95	3.56
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	10	3.34	0.24	3.28
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	10	3.14	1.46	3.96
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	10	3.08	0.15	3.06
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	10	2.97	0.95	3.3
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	10	2.95	0.21	2.9
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	10	2.93	0.25	2.94
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	10	2.72	1.69	2.72
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	10	2.52	0.33	2.44
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	10	2.52	0.33	2.44
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	10	2.52	0.33	2.44
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	10	2.46	0.1	2.45
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	10	2.45	0.83	2.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	10	2.41	0.42	2.38
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	10	2.41	0.42	2.38
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	10	2.41	0.42	2.38
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	10	2.34	0.29	2.4
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	10	2.34	0.29	2.4
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	10	2.34	0.29	2.4
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	10	2.34	0.29	2.4
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	10	2.34	0.29	2.4
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	10	2.34	0.29	2.4
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	10	2.31	0.12	2.28
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	10	2.31	0.12	2.28
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	10	2.31	0.12	2.28
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	10	2.29	0.31	2.23
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	10	2.26	0.62	2.43
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	10	2.26	0.62	2.43
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	10	2.26	0.62	2.43
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	10	2.21	0.44	2.4
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	10	2.12	0.15	2.09
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	10	1.94	0.44	1.9
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	10	1.94	0.44	1.9
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	10	1.94	0.44	1.9
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	10	1.87	0.56	2.03
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	10	1.87	0.56	2.03
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	10	1.77	0.27	1.84
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	10	1.76	0.67	1.84
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	10	1.69	0.45	1.56
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	10	1.6	0.4	1.64
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	10	1.6	0.4	1.64
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	10	1.6	0.36	1.78
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	10	1.56	0.4	1.5
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	10	1.56	0.4	1.5
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	10	1.56	0.4	1.5
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	10	1.56	0.4	1.5
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	10	1.56	0.4	1.5
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	10	1.56	0.4	1.5
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	10	1.52	1.18	1.27
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	10	1.51	0.16	1.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	10	1.51	0.31	1.67
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	10	1.49	0.19	1.56
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	10	1.43	0.17	1.4
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	10	1.43	0.17	1.4
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	10	1.43	0.17	1.4
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	10	1.38	0.12	1.33
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	10	1.37	0.3	1.38
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	10	1.34	0.52	1.4
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	10	1.34	0.52	1.4
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	10	1.29	0.68	1.0
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	10	1.29	0.68	1.0
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	10	1.27	0.1	1.31
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	10	1.27	0.1	1.31
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	10	1.27	0.14	1.28
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	10	1.23	0.27	1.32
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	10	1.23	0.27	1.32
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	10	1.22	0.28	1.35
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	10	1.22	0.28	1.35
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	10	1.22	0.28	1.35
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	10	1.2	0.49	0.98
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	10	1.18	0.3	1.27
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	10	1.13	0.22	1.15
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	10	1.12	0.37	1.23
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	10	1.12	0.37	1.23
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	10	1.08	0.23	1.13
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	10	1.06	0.08	1.08
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	10	1.06	0.16	1.11
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	10	1.06	0.16	1.11
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	10	1.06	0.16	1.11
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	10	1.04	0.29	0.98
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	10	1.04	0.31	0.96
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	10	1.04	0.26	1.1
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	10	1.04	0.64	0.83
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	10	1.04	0.64	0.83
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	10	1.01	0.1	1.04
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	10	1.01	0.18	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	10	1.01	0.18	1.0
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	10	1.01	0.18	1.0
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	10	1.0	0.04	1.02
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	10	1.0	0.17	1.04
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	10	1.0	0.17	1.04
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	10	0.98	0.23	0.97
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	10	0.97	0.37	0.91
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	10	0.97	0.37	0.91
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	10	0.97	0.37	0.94
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	10	0.97	0.39	1.0
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	10	0.96	0.33	0.9
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	10	0.96	0.16	1.04
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	10	0.94	0.15	1.04
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	10	0.92	0.12	0.94
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	10	0.92	0.2	0.91
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	10	0.89	0.29	0.85
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	10	0.88	0.26	0.94
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	10	0.87	0.21	0.93
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	10	0.87	0.21	0.93
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	10	0.87	0.21	0.93
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	10	0.86	0.11	0.89
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	10	0.86	0.26	0.82
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	10	0.86	0.24	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	10	0.85	0.18	0.92
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	10	0.85	0.18	0.92
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	10	0.85	0.1	0.86
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	10	0.85	0.08	0.85
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	10	0.83	0.31	0.76
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	10	0.83	0.31	0.76
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	10	0.83	0.31	0.76
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	10	0.82	0.25	0.84
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	10	0.82	0.25	0.84
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	10	0.82	0.25	0.84
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	10	0.82	0.32	0.88
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	10	0.82	0.32	0.88
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	10	0.81	0.23	0.72
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	10	0.8	0.36	0.92
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	10	0.8	0.36	0.92
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	10	0.8	0.36	0.92
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	10	0.8	0.19	0.85
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	10	0.79	0.18	0.76
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	10	0.79	0.18	0.76
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	10	0.79	0.18	0.76
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	10	0.78	0.02	0.8
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	10	0.78	0.18	0.69
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	10	0.78	0.27	0.78
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	10	0.78	0.27	0.78
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	10	0.77	0.34	0.79
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	10	0.77	0.2	0.78
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	10	0.77	0.2	0.78
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	10	0.77	0.2	0.78
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	10	0.77	0.19	0.7
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	10	0.76	0.24	0.77
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	10	0.76	0.24	0.77
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	10	0.76	0.24	0.77
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	10	0.76	0.19	0.74
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	10	0.76	0.19	0.74
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	10	0.76	0.19	0.74
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	10	0.76	0.19	0.74
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	10	0.76	0.19	0.74
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	10	0.76	0.19	0.74
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	10	0.76	0.25	0.85
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	10	0.76	0.25	0.85
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	10	0.76	0.25	0.85
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	10	0.76	0.34	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	10	0.75	0.28	0.77
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	10	0.75	0.29	0.9
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	10	0.75	0.43	0.7
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	10	0.75	0.43	0.7
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	10	0.75	0.43	0.7
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	10	0.74	0.18	0.74
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	10	0.73	0.31	0.8
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	10	0.72	0.13	0.73
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	10	0.72	0.24	0.71
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	10	0.72	0.13	0.71
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	10	0.71	0.15	0.68
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	10	0.71	0.15	0.68
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	10	0.71	0.15	0.68
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	10	0.71	0.39	0.84
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	10	0.71	0.39	0.84
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	10	0.71	0.26	0.57
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	10	0.71	0.23	0.64
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	10	0.71	0.08	0.68
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	10	0.71	0.08	0.68
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	10	0.71	0.08	0.68
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	10	0.7	0.27	0.77
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	10	0.69	0.23	0.7
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	10	0.68	0.14	0.74
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	10	0.68	0.26	0.66
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	10	0.67	0.17	0.65
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	10	0.67	0.14	0.62
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	10	0.67	0.14	0.62
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	10	0.67	0.14	0.62
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	10	0.66	0.32	0.8
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	10	0.66	0.32	0.8
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	10	0.66	0.16	0.62
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	10	0.65	0.17	0.6
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	10	0.65	0.17	0.6
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	10	0.64	0.25	0.64
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	10	0.63	0.17	0.67
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	10	0.63	0.26	0.64
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	10	0.63	0.26	0.64
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	10	0.63	0.3	0.49
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	10	0.63	0.27	0.53
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	10	0.61	0.21	0.63
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	10	0.61	0.4	0.54
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	10	0.61	0.21	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	10	0.61	0.23	0.54
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	10	0.61	0.1	0.6
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	10	0.61	0.25	0.72
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	10	0.6	0.22	0.59
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	10	0.6	0.22	0.59
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	10	0.6	0.22	0.59
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	10	0.6	0.26	0.61
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	10	0.6	0.18	0.61
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	10	0.6	0.18	0.61
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	10	0.6	0.18	0.61
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	10	0.58	0.21	0.66
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	10	0.58	0.21	0.66
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	10	0.58	0.21	0.66
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	10	0.58	0.2	0.57
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	10	0.58	0.15	0.58
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	10	0.58	0.15	0.58
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	10	0.58	0.15	0.58
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	10	0.58	0.15	0.58
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	10	0.58	0.15	0.58
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	10	0.58	0.15	0.58
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	10	0.58	0.11	0.6
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	10	0.58	0.11	0.6
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	10	0.58	0.11	0.6
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	10	0.57	0.18	0.58
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	10	0.57	0.06	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	10	0.57	0.06	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	10	0.57	0.06	0.57
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	10	0.57	0.23	0.6
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	10	0.57	0.23	0.6
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	10	0.56	0.19	0.54
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	10	0.56	0.13	0.62
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	10	0.56	0.13	0.62
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	10	0.56	0.13	0.62
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	10	0.55	0.17	0.5
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	10	0.54	0.29	0.48
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	10	0.54	0.13	0.52
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	10	0.54	0.13	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	10	0.54	0.21	0.55
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	10	0.53	0.16	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	10	0.53	0.16	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	10	0.53	0.16	0.48
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	10	0.53	0.07	0.55
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	10	0.52	0.1	0.55
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	10	0.52	0.1	0.5
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	10	0.52	0.1	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	10	0.51	0.14	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	10	0.51	0.14	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	10	0.51	0.14	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	10	0.51	0.14	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	10	0.51	0.14	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	10	0.51	0.14	0.5
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	10	0.51	0.12	0.53
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	10	0.51	0.12	0.53
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	10	0.51	0.12	0.53
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	10	0.51	0.12	0.53
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	10	0.51	0.12	0.53
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	10	0.51	0.12	0.53
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	10	0.48	0.14	0.48
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	10	0.48	0.16	0.5
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	10	0.47	0.12	0.49
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	10	0.46	0.13	0.52
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	10	0.46	0.13	0.52
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	10	0.46	0.08	0.48
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	10	0.44	0.1	0.42
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	10	0.43	0.27	0.38
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	10	0.43	0.14	0.42
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	10	0.43	0.14	0.42
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	10	0.43	0.14	0.42
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	10	0.42	0.08	0.44
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	10	0.42	0.08	0.44
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	10	0.42	0.08	0.44
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	10	0.42	0.12	0.45
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	10	0.42	0.12	0.45
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	10	0.42	0.12	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	10	0.42	0.12	0.45
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	10	0.42	0.12	0.45
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	10	0.42	0.12	0.45
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	10	0.41	0.13	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	10	0.41	0.11	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	10	0.41	0.11	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	10	0.41	0.11	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	10	0.41	0.14	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	10	0.41	0.14	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	10	0.41	0.14	0.38
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	10	0.41	0.14	0.43
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	10	0.4	0.03	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	10	0.4	0.03	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	10	0.4	0.03	0.4
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	10	0.39	0.12	0.36
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	10	0.39	0.12	0.36
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	10	0.39	0.12	0.36
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	10	0.39	0.11	0.41
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	10	0.39	0.12	0.42
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	10	0.39	0.12	0.42
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	10	0.39	0.12	0.42
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	10	0.39	0.12	0.42
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	10	0.39	0.12	0.42
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	10	0.39	0.12	0.42
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	10	0.38	0.17	0.3
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	10	0.38	0.17	0.3
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	10	0.38	0.17	0.3
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	10	0.38	0.05	0.38
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	10	0.38	0.05	0.38
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	10	0.37	0.16	0.4
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	10	0.37	0.16	0.4
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	10	0.37	0.16	0.4
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	10	0.36	0.09	0.4
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	10	0.36	0.09	0.4
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	10	0.36	0.09	0.4
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	10	0.35	0.08	0.34
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	10	0.31	0.07	0.29
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	10	0.3	0.16	0.26
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	10	0.29	0.07	0.3
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	10	0.29	0.05	0.3
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	10	0.27	0.1	0.24
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	10	0.25	0.04	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	10	0.24	0.07	0.22
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	10	0.24	0.07	0.22
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	10	0.24	0.07	0.22
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	10	0.24	0.02	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	10	0.23	0.05	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	10	0.23	0.05	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	10	0.23	0.05	0.24
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	10	0.23	0.03	0.23
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	10	0.19	0.05	0.2
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	10	0.18	0.07	0.16
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	10	0.18	0.07	0.16
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	10	0.18	0.07	0.16
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	9	2.48	0.22	2.46
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	9	2.48	0.22	2.46
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	9	2.48	0.22	2.46
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	9	2.29	0.16	2.18
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	9	2.12	1.02	2.51
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	9	1.87	0.31	1.88
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	9	1.86	0.56	2.06
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	9	1.86	0.56	2.06
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	9	1.86	0.56	2.06
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	9	1.7	0.18	1.69
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	9	1.7	0.18	1.69
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	9	1.7	0.18	1.69
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	9	1.65	0.12	1.66
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	9	1.65	0.12	1.66
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	9	1.65	0.12	1.66
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	9	1.64	0.83	1.84
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	9	1.64	1.17	2.25
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	9	1.47	0.46	1.5
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	9	1.47	0.46	1.5
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	9	1.47	0.46	1.5
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	9	1.4	0.21	1.47
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	9	1.4	0.21	1.47
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	9	1.31	0.8	1.54
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	9	1.24	0.24	1.26
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	9	1.24	0.24	1.26
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	9	1.24	0.24	1.26
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	9	1.24	0.26	1.3
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	9	1.24	0.26	1.3
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	9	1.24	0.26	1.3
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	9	1.23	0.51	1.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	9	1.23	0.51	1.43
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	9	1.23	0.51	1.43
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	9	1.14	0.56	1.1
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	9	1.07	0.21	1.15
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	9	1.07	0.21	1.15
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	9	1.07	0.21	1.15
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	9	1.01	0.35	0.93
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	9	0.96	0.44	1.11
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	9	0.96	0.44	1.11
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	9	0.96	0.44	1.11
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	9	0.96	0.44	1.11
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	9	0.96	0.44	1.11
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	9	0.96	0.44	1.11
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	9	0.95	0.19	0.97
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	9	0.95	0.19	0.97
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	9	0.93	0.14	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	9	0.93	0.14	1.01
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	9	0.9	0.28	1.04
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	9	0.89	0.19	0.99
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	9	0.88	0.19	0.98
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	9	0.88	0.19	0.98
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	9	0.88	0.19	0.98
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	9	0.87	0.33	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	9	0.87	0.33	0.92
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	9	0.84	0.35	0.72
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	9	0.84	0.35	0.72
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	9	0.84	0.28	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	9	0.84	0.28	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	9	0.84	0.28	0.94
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	9	0.82	0.36	1.02
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	9	0.82	0.36	1.02
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	9	0.82	0.36	1.02
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	9	0.82	0.32	0.97
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	9	0.82	0.32	0.97
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	9	0.82	0.32	0.97
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	9	0.82	0.32	0.97
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	9	0.82	0.32	0.97
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	9	0.82	0.32	0.97
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	9	0.81	0.32	0.88
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	9	0.77	0.27	0.71
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	9	0.77	0.27	0.71
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	9	0.77	0.27	0.71
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	9	0.75	0.31	0.8
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	9	0.75	0.31	0.8
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	9	0.75	0.31	0.8
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	9	0.75	0.28	0.74
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	9	0.73	0.42	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	9	0.73	0.42	0.51
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	9	0.71	0.28	0.76
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	9	0.71	0.28	0.76
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	9	0.71	0.28	0.76
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	9	0.71	0.28	0.74
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	9	0.71	0.28	0.74
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	9	0.71	0.19	0.69
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	9	0.71	0.19	0.69
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	9	0.71	0.19	0.69
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	9	0.7	0.28	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	9	0.7	0.28	0.55
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	9	0.68	0.25	0.62
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	9	0.67	0.25	0.64
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	9	0.67	0.25	0.64
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	9	0.66	0.29	0.7
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	9	0.66	0.29	0.7
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	9	0.66	0.29	0.7
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	9	0.65	0.32	0.7
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	9	0.65	0.32	0.7
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	9	0.65	0.32	0.7
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	9	0.65	0.32	0.7
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	9	0.65	0.32	0.7
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	9	0.65	0.32	0.7
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	9	0.65	0.3	0.62
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	9	0.62	0.13	0.61
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	9	0.61	0.34	0.6
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	9	0.61	0.34	0.6
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	9	0.61	0.34	0.6
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	9	0.61	0.26	0.6
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	9	0.61	0.26	0.6
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	9	0.6	0.24	0.72
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	9	0.58	0.2	0.57
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	9	0.58	0.2	0.57
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	9	0.58	0.2	0.57
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	9	0.58	0.29	0.5
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	9	0.54	0.24	0.55
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	9	0.54	0.24	0.55
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	9	0.54	0.24	0.55
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	9	0.53	0.19	0.54
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	9	0.52	0.25	0.5
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	9	0.52	0.25	0.5
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	9	0.52	0.28	0.44
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	9	0.52	0.28	0.44
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	9	0.52	0.28	0.44
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	9	0.52	0.28	0.44
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	9	0.52	0.28	0.44
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	9	0.52	0.28	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	9	0.52	0.18	0.52
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	9	0.52	0.18	0.52
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	9	0.52	0.17	0.58
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	9	0.52	0.17	0.58
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	9	0.52	0.17	0.58
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	9	0.52	0.2	0.52
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	9	0.52	0.27	0.58
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	9	0.52	0.27	0.58
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	9	0.52	0.27	0.58
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	9	0.51	0.18	0.51
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	9	0.51	0.18	0.51
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	9	0.51	0.18	0.51
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	9	0.51	0.34	0.3
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	9	0.5	0.12	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	9	0.5	0.12	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	9	0.5	0.12	0.54
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	9	0.5	0.25	0.49
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	9	0.5	0.25	0.49
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	9	0.5	0.25	0.49
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	9	0.5	0.22	0.44
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	9	0.5	0.22	0.44
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	9	0.5	0.22	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	9	0.5	0.22	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	9	0.5	0.22	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	9	0.5	0.22	0.44
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	9	0.5	0.16	0.53
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	9	0.5	0.16	0.53
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	9	0.5	0.22	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	9	0.5	0.22	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	9	0.5	0.22	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	9	0.5	0.22	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	9	0.5	0.22	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	9	0.5	0.22	0.48
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	9	0.49	0.21	0.54
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	9	0.48	0.17	0.47
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	9	0.46	0.29	0.28
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	9	0.45	0.09	0.46
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	9	0.44	0.15	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	9	0.44	0.15	0.44
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	9	0.44	0.15	0.44
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	9	0.41	0.43	0.26
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	9	0.41	0.18	0.42
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	9	0.41	0.15	0.47
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	9	0.41	0.15	0.47
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	9	0.41	0.15	0.47
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	9	0.39	0.15	0.43
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	9	0.38	0.12	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	9	0.38	0.12	0.42
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	9	0.38	0.12	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	9	0.38	0.12	0.42
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	9	0.37	0.19	0.35
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	9	0.37	0.19	0.35
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	9	0.36	0.08	0.33
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	9	0.34	0.06	0.31
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	9	0.34	0.06	0.31
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	9	0.32	0.15	0.3
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	9	0.32	0.15	0.3
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	9	0.32	0.15	0.3
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	9	0.32	0.16	0.28
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	9	0.31	0.14	0.27
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	9	0.31	0.14	0.27
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	9	0.3	0.14	0.31
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	9	0.3	0.14	0.31
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	9	0.3	0.14	0.31
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	9	0.29	0.11	0.27
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	9	0.29	0.11	0.27
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	9	0.29	0.11	0.27
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	9	0.28	0.1	0.27
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	9	0.27	0.12	0.25
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	9	0.27	0.12	0.25
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	9	0.25	0.07	0.25
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	9	0.25	0.07	0.25
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	9	0.25	0.07	0.25
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	9	0.22	0.08	0.22
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	9	0.21	0.07	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	9	0.21	0.07	0.19
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	9	0.21	0.07	0.19
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	9	0.2	0.08	0.21
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	9	0.2	0.08	0.21
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	9	0.2	0.08	0.21
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	8	1.77	0.11	1.78
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	8	1.72	0.09	1.74
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	8	1.61	0.68	1.34
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	8	1.5	0.66	1.75
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	8	1.42	0.41	1.59
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	8	1.42	0.41	1.59
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	8	1.42	0.41	1.59
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	8	1.13	0.57	1.4
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	8	1.09	1.04	0.41
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	8	1.06	0.11	1.07
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	8	1.06	0.11	1.07
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	8	1.06	0.11	1.07
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	8	1.05	0.38	1.16
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	8	1.05	0.38	1.16
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	8	1.05	0.38	1.16
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	8	1.04	0.06	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	8	1.04	0.06	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	8	1.04	0.06	1.05
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	8	0.89	0.37	0.84
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	8	0.89	0.37	0.84
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	8	0.88	0.36	0.86
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	8	0.88	0.36	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	8	0.88	0.36	0.86
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	8	0.88	0.36	0.86
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	8	0.85	0.23	0.86
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	8	0.84	0.47	0.86
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	8	0.84	0.47	0.86
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	8	0.77	0.34	0.8
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	8	0.75	0.41	0.73
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	8	0.75	0.41	0.73
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	8	0.75	0.21	0.78
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	8	0.71	0.22	0.78
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	8	0.71	0.22	0.78
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	8	0.7	0.26	0.62
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	8	0.7	0.26	0.62
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	8	0.68	0.35	0.54
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	8	0.68	0.35	0.54
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	8	0.68	0.35	0.54
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	8	0.67	0.38	0.78
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	8	0.64	0.33	0.62
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	8	0.64	0.33	0.62
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	8	0.63	0.23	0.6
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	8	0.63	0.23	0.6
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	8	0.63	0.28	0.62
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	8	0.63	0.28	0.62
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	8	0.63	0.28	0.62
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	8	0.63	0.28	0.62
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	8	0.63	0.28	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	8	0.63	0.28	0.62
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	8	0.62	0.3	0.56
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	8	0.62	0.26	0.66
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	8	0.61	0.19	0.66
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	8	0.61	0.19	0.66
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	8	0.61	0.19	0.66
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	8	0.6	0.04	0.6
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	8	0.58	0.18	0.6
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	8	0.58	0.18	0.6
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	8	0.58	0.18	0.6
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	8	0.58	0.18	0.6
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	8	0.58	0.18	0.6
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	8	0.58	0.18	0.6
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	8	0.58	0.25	0.61
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	8	0.57	0.41	0.44
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	8	0.57	0.41	0.44
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	8	0.57	0.41	0.44
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	8	0.57	0.41	0.44
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	8	0.56	0.2	0.46
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	8	0.56	0.23	0.68
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	8	0.55	0.25	0.58
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	8	0.52	0.25	0.43
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	8	0.52	0.25	0.43
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	8	0.52	0.25	0.43
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	8	0.51	0.21	0.52
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	8	0.51	0.21	0.52
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	8	0.51	0.21	0.52
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	8	0.51	0.21	0.52
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	8	0.51	0.21	0.52
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	8	0.51	0.21	0.52
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	8	0.49	0.22	0.45
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	8	0.49	0.32	0.34
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	8	0.49	0.2	0.55
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	8	0.49	0.2	0.55
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	8	0.49	0.2	0.55
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	8	0.49	0.2	0.55
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	8	0.49	0.2	0.55
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	8	0.49	0.2	0.55
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	8	0.48	0.18	0.4
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	8	0.48	0.22	0.48
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	8	0.48	0.22	0.48
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	8	0.48	0.22	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	8	0.47	0.19	0.42
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	8	0.45	0.21	0.46
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	8	0.45	0.22	0.38
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	8	0.45	0.22	0.38
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	8	0.45	0.22	0.38
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	8	0.44	0.36	0.32
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	8	0.44	0.36	0.32
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	8	0.42	0.29	0.41
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	8	0.41	0.09	0.44
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	8	0.41	0.09	0.44
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	8	0.41	0.09	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	8	0.41	0.14	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	8	0.41	0.14	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	8	0.41	0.14	0.44
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	8	0.41	0.19	0.42
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	8	0.4	0.2	0.34
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	8	0.38	0.1	0.39
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	8	0.38	0.1	0.39
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	8	0.38	0.1	0.39
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	8	0.38	0.36	0.22
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	8	0.37	0.1	0.36
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	8	0.37	0.1	0.36
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	8	0.37	0.18	0.32
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	8	0.36	0.11	0.36
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	8	0.36	0.16	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	8	0.36	0.16	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	8	0.36	0.16	0.3
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	8	0.35	0.15	0.36
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	8	0.34	0.11	0.34
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	8	0.33	0.12	0.34
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	8	0.32	0.12	0.36
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	8	0.29	0.12	0.24
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	8	0.28	0.07	0.3
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	8	0.28	0.07	0.3
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	8	0.27	0.09	0.28
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	8	0.26	0.12	0.28
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	8	0.22	0.04	0.23
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	8	0.18	0.03	0.17
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	8	0.18	0.03	0.17
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	8	0.18	0.04	0.2
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	8	0.17	0.03	0.18
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	8	0.17	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	8	0.17	0.03	0.18
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	8	0.17	0.04	0.17
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	8	0.16	0.06	0.14
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	8	0.16	0.06	0.14
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	8	0.13	0.02	0.12
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	7	1.3	0.07	1.3
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	7	1.3	0.07	1.3
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	7	1.3	0.07	1.3
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	7	1.13	0.3	1.3
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	7	1.1	0.36	1.18
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	7	1.1	0.36	1.18
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	7	0.97	0.34	1.08
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	7	0.94	0.22	1.01
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	7	0.94	0.22	1.01
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	7	0.94	0.22	1.01
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	7	0.93	0.12	0.94
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	7	0.93	0.12	0.94
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	7	0.93	0.12	0.94
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	7	0.92	0.11	0.89
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	7	0.92	0.11	0.89
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	7	0.92	0.11	0.89
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	7	0.9	0.28	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	7	0.9	0.28	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	7	0.9	0.28	0.98
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	7	0.89	1.15	0.22
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	7	0.89	1.15	0.22
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	7	0.89	1.15	0.22
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	7	0.87	0.22	0.99
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	7	0.87	0.22	0.99
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	7	0.87	0.22	0.99
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	7	0.86	0.5	0.87
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	7	0.86	0.5	0.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	7	0.86	0.5	0.87
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	7	0.86	0.5	0.87
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	7	0.86	0.5	0.87
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	7	0.86	0.5	0.87
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	7	0.83	0.27	1.01
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	7	0.77	0.29	0.84
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	7	0.77	0.29	0.84
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	7	0.76	0.43	0.82
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	7	0.74	0.34	0.64
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	7	0.74	0.34	0.64
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	7	0.73	0.13	0.8
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	7	0.73	0.13	0.8
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	7	0.73	0.13	0.8
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	7	0.73	0.09	0.74
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	7	0.73	0.09	0.74
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	7	0.73	0.09	0.74
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	7	0.71	0.25	0.83
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	7	0.71	0.25	0.83
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	7	0.71	0.25	0.83
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	7	0.7	0.32	0.7
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	7	0.7	0.32	0.7
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	7	0.7	0.32	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	7	0.7	0.32	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	7	0.7	0.32	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	7	0.7	0.32	0.7
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	7	0.69	0.36	0.58
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	7	0.68	0.29	0.76
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	7	0.67	0.3	0.57
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	7	0.63	0.36	0.77
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	7	0.63	0.36	0.77
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	7	0.63	0.22	0.5
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	7	0.63	0.22	0.5
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	7	0.61	0.57	0.37
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	7	0.61	0.57	0.37
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	7	0.61	0.1	0.57
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	7	0.59	0.11	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	7	0.59	0.11	0.59
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	7	0.59	0.11	0.59
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	7	0.59	0.17	0.57
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	7	0.59	0.17	0.57
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	7	0.59	0.17	0.57
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	7	0.59	0.23	0.61
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	7	0.57	0.11	0.57
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	7	0.57	0.05	0.58
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	7	0.57	0.05	0.58
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	7	0.57	0.05	0.58
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	7	0.56	0.21	0.58
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	7	0.56	0.21	0.58
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	7	0.56	0.21	0.58
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	7	0.55	0.15	0.6
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	7	0.55	0.15	0.6
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	7	0.55	0.15	0.6
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	7	0.53	0.38	0.48
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	7	0.53	0.38	0.48
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	7	0.53	0.38	0.48
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	7	0.52	0.29	0.53
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	7	0.52	0.2	0.47
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	7	0.51	0.15	0.57
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	7	0.51	0.15	0.57
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	7	0.49	0.2	0.48
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	7	0.48	0.22	0.47
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	7	0.48	0.37	0.35
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	7	0.47	0.23	0.44
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	7	0.46	0.24	0.38
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	7	0.45	0.17	0.49
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	7	0.45	0.17	0.49
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	7	0.45	0.17	0.49
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	7	0.44	0.02	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	7	0.44	0.02	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	7	0.44	0.02	0.44
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	7	0.44	0.24	0.46
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	7	0.44	0.24	0.46
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	7	0.44	0.24	0.46
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	7	0.43	0.13	0.48
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	7	0.43	0.3	0.24
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	7	0.43	0.23	0.59
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	7	0.42	0.21	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	7	0.42	0.21	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	7	0.42	0.21	0.35
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	7	0.42	0.2	0.42
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	7	0.42	0.22	0.36
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	7	0.42	0.17	0.32
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	7	0.41	0.19	0.34
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	7	0.41	0.19	0.34
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	7	0.41	0.19	0.34
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	7	0.41	0.28	0.26
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	7	0.41	0.21	0.48
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	7	0.4	0.14	0.46
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	7	0.4	0.19	0.29
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	7	0.4	0.19	0.29
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	7	0.4	0.21	0.33
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	7	0.4	0.21	0.33
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	7	0.4	0.21	0.33
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	7	0.4	0.16	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	7	0.4	0.16	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	7	0.4	0.16	0.42
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	7	0.39	0.12	0.41
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	7	0.37	0.18	0.27
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	7	0.37	0.18	0.27
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	7	0.37	0.18	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	7	0.35	0.15	0.37
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	7	0.35	0.15	0.37
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	7	0.35	0.15	0.37
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	7	0.35	0.15	0.37
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	7	0.35	0.16	0.3
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	7	0.33	0.18	0.25
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	7	0.33	0.18	0.25
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	7	0.33	0.18	0.25
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	7	0.33	0.14	0.29
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	7	0.33	0.18	0.27
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	7	0.33	0.18	0.27
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	7	0.33	0.18	0.27
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	7	0.32	0.11	0.34
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	7	0.32	0.12	0.32
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	7	0.31	0.17	0.28
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	7	0.31	0.09	0.31
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	7	0.31	0.09	0.31
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	7	0.31	0.09	0.31
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	7	0.3	0.11	0.3
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	7	0.3	0.11	0.3
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	7	0.3	0.11	0.3
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	7	0.3	0.12	0.36
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	7	0.29	0.05	0.27
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	7	0.29	0.05	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	7	0.29	0.05	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	7	0.29	0.05	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	7	0.29	0.05	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	7	0.29	0.05	0.27
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	7	0.29	0.1	0.32
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	7	0.29	0.13	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	7	0.29	0.13	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	7	0.29	0.13	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	7	0.28	0.12	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	7	0.28	0.12	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	7	0.28	0.12	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	7	0.25	0.1	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	7	0.25	0.1	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	7	0.25	0.1	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	7	0.25	0.1	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	7	0.25	0.1	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	7	0.25	0.1	0.23
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	7	0.24	0.11	0.22
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	7	0.24	0.11	0.22
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	7	0.24	0.11	0.22
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	7	0.24	0.08	0.2
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	7	0.2	0.09	0.19
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	7	0.2	0.09	0.19
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	7	0.2	0.09	0.19
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	7	0.2	0.06	0.21
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	7	0.2	0.04	0.2
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	7	0.2	0.04	0.2
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	7	0.2	0.04	0.2
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	7	0.19	0.07	0.22
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	7	0.17	0.04	0.17
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	7	0.17	0.04	0.17
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	7	0.17	0.04	0.17
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	7	0.15	0.03	0.15
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	7	0.15	0.03	0.15
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	6	1.22	0.42	1.43
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	6	1.22	0.42	1.43
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	6	1.22	0.42	1.43
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	6	1.22	0.42	1.43
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	6	1.22	0.42	1.43
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	6	1.22	0.42	1.43
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	6	1.08	0.33	1.19
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	6	0.93	0.55	0.84
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	6	0.93	0.55	0.84
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	6	0.93	0.55	0.84
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	6	0.93	0.55	0.84
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	6	0.83	1.09	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	6	0.82	0.43	0.74
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	6	0.82	0.43	0.74
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	6	0.82	0.43	0.74
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	6	0.77	0.64	0.49
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	6	0.76	0.33	0.72
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	6	0.76	0.32	0.9
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	6	0.76	0.32	0.9
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	6	0.75	0.42	0.65
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	6	0.71	0.36	0.73
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	6	0.71	0.36	0.73
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	6	0.71	0.36	0.73
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	6	0.69	0.36	0.58
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	6	0.69	0.36	0.58
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	6	0.69	0.36	0.58
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	6	0.69	0.36	0.58
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	6	0.67	0.39	0.6
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	6	0.67	0.39	0.6
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	6	0.67	0.39	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	6	0.67	0.39	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	6	0.67	0.39	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	6	0.67	0.39	0.6
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	6	0.67	0.38	0.68
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	6	0.66	0.38	0.73
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	6	0.66	0.38	0.73
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	6	0.65	0.26	0.56
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	6	0.65	0.26	0.56
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	6	0.65	0.26	0.56
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	6	0.65	0.26	0.56
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	6	0.65	0.26	0.56
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	6	0.65	0.26	0.56
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	6	0.61	0.35	0.76
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	6	0.58	0.23	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	6	0.58	0.23	0.58
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	6	0.58	0.23	0.58
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	6	0.54	0.47	0.25
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	6	0.54	0.28	0.57
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	6	0.54	0.28	0.57
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	6	0.52	0.23	0.52
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	6	0.52	0.23	0.52
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	6	0.52	0.23	0.52
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	6	0.52	0.23	0.5
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	6	0.5	0.23	0.5
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	6	0.5	0.23	0.5
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	6	0.5	0.23	0.5
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	6	0.5	0.2	0.54
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	6	0.5	0.2	0.54
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	6	0.5	0.2	0.54
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	6	0.49	0.3	0.4
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	6	0.48	0.08	0.48
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	6	0.48	0.08	0.48
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	6	0.48	0.08	0.48
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	6	0.48	0.23	0.41
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	6	0.48	0.23	0.41
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	6	0.45	0.13	0.43
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	6	0.45	0.13	0.43
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	6	0.45	0.13	0.43
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	6	0.45	0.18	0.4
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	6	0.42	0.18	0.32
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	6	0.42	0.18	0.32
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	6	0.41	0.22	0.45
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	6	0.41	0.22	0.45
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	6	0.4	0.08	0.39
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	6	0.4	0.08	0.39
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	6	0.4	0.08	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	6	0.4	0.08	0.39
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	6	0.4	0.08	0.39
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	6	0.4	0.08	0.39
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	6	0.4	0.18	0.42
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	6	0.4	0.18	0.42
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	6	0.39	0.22	0.44
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	6	0.39	0.22	0.44
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	6	0.39	0.22	0.44
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	6	0.39	0.22	0.44
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	6	0.38	0.13	0.42
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	6	0.38	0.14	0.42
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	6	0.38	0.14	0.42
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	6	0.38	0.15	0.33
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	6	0.38	0.15	0.33
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	6	0.38	0.15	0.33
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	6	0.38	0.15	0.33
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	6	0.38	0.15	0.33
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	6	0.38	0.15	0.33
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	6	0.38	0.12	0.35
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	6	0.38	0.12	0.35
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	6	0.35	0.29	0.23
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	6	0.34	0.17	0.32
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	6	0.34	0.17	0.32
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	6	0.34	0.15	0.28
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	6	0.33	0.15	0.28
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	6	0.32	0.16	0.34
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	6	0.32	0.16	0.34
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	6	0.32	0.16	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	6	0.31	0.09	0.36
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	6	0.31	0.09	0.36
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	6	0.31	0.09	0.36
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	6	0.3	0.14	0.26
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	6	0.3	0.2	0.21
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	6	0.28	0.16	0.24
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	6	0.28	0.09	0.26
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	6	0.28	0.09	0.26
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	6	0.28	0.09	0.26
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	6	0.28	0.09	0.26
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	6	0.28	0.09	0.26
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	6	0.28	0.09	0.26
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	6	0.27	0.06	0.24
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	6	0.27	0.06	0.24
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	6	0.27	0.06	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	6	0.26	0.09	0.22
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	6	0.26	0.09	0.22
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	6	0.26	0.09	0.22
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	6	0.26	0.09	0.22
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	6	0.26	0.09	0.22
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	6	0.26	0.09	0.22
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	6	0.24	0.08	0.25
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	6	0.24	0.08	0.25
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	6	0.24	0.08	0.25
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	6	0.24	0.04	0.24
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	6	0.24	0.04	0.24
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	6	0.22	0.06	0.24
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	6	0.22	0.06	0.24
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	6	0.22	0.06	0.21
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	6	0.22	0.06	0.21
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	6	0.22	0.06	0.21
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	6	0.22	0.11	0.16
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	6	0.21	0.07	0.2
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	6	0.2	0.06	0.22
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	6	0.19	0.11	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	6	0.19	0.11	0.14
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	6	0.19	0.11	0.14
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	6	0.19	0.06	0.17
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	6	0.19	0.07	0.19
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	6	0.18	0.04	0.16
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	6	0.18	0.04	0.16
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	6	0.18	0.04	0.16
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	6	0.18	0.06	0.17
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	6	0.18	0.06	0.17
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	6	0.17	0.07	0.15
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	6	0.17	0.05	0.16
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	6	0.16	0.07	0.14
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	6	0.15	0.03	0.16
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	6	0.14	0.03	0.12
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	6	0.14	0.03	0.12
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	6	0.14	0.03	0.12
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	5	2.72	0.12	2.72
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	5	1.66	0.09	1.65
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	5	1.51	0.15	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	5	1.51	0.15	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	5	1.51	0.15	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	5	1.51	0.15	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	5	1.51	0.15	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	5	1.51	0.15	1.55
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	5	1.48	0.14	1.43
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	5	1.48	0.14	1.43
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	5	1.32	0.14	1.29
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	5	1.29	0.02	1.28
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	5	1.1	0.4	1.24
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	5	1.1	0.4	1.24
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	5	1.01	0.33	0.94
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	5	1.0	1.11	0.18
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	5	1.0	1.11	0.18
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	5	1.0	1.11	0.18
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	5	0.99	0.05	0.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	5	0.99	0.05	0.99
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	5	0.99	0.05	0.99
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	5	0.96	0.63	0.99
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	5	0.92	0.3	1.09
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	5	0.92	0.3	1.09
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	5	0.87	0.46	1.05
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	5	0.86	0.45	0.77
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	5	0.86	0.45	0.77
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	5	0.86	0.2	0.99
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	5	0.86	0.2	0.99
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	5	0.86	0.2	0.99
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	5	0.86	0.2	0.99
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	5	0.86	0.2	0.99
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	5	0.86	0.2	0.99
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	5	0.85	0.3	0.83
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	5	0.85	0.3	0.83
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	5	0.85	0.3	0.83
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	5	0.8	0.31	0.87
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	5	0.8	0.31	0.87
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	5	0.78	0.55	0.46
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	5	0.76	0.31	0.88
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	5	0.69	0.18	0.6
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	5	0.65	0.47	0.45
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	5	0.65	0.47	0.45
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	5	0.65	0.47	0.46
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	5	0.63	0.28	0.56
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	5	0.63	0.28	0.56
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	5	0.62	0.33	0.56
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	5	0.62	0.33	0.56
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	5	0.62	0.33	0.56
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	5	0.62	0.33	0.56
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	5	0.62	0.33	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	5	0.62	0.33	0.56
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	5	0.6	0.13	0.64
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	5	0.6	0.13	0.64
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	5	0.6	0.37	0.7
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	5	0.59	0.37	0.35
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	5	0.57	0.35	0.31
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	5	0.52	0.26	0.42
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	5	0.5	0.28	0.49
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	5	0.48	0.25	0.46
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	5	0.48	0.25	0.46
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	5	0.48	0.25	0.46
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	5	0.48	0.04	0.47
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	5	0.46	0.23	0.46
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	5	0.46	0.23	0.46
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	5	0.46	0.23	0.46
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	5	0.46	0.21	0.4
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	5	0.45	0.12	0.4
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	5	0.45	0.12	0.4
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	5	0.45	0.12	0.4
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	5	0.45	0.15	0.47
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	5	0.44	0.23	0.45
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	5	0.44	0.2	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	5	0.41	0.12	0.45
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	5	0.41	0.12	0.45
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	5	0.41	0.12	0.42
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	5	0.4	0.17	0.39
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	5	0.4	0.2	0.42
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	5	0.39	0.16	0.32
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	5	0.39	0.16	0.32
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	5	0.37	0.15	0.37
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	5	0.37	0.15	0.37
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	5	0.37	0.15	0.37
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	5	0.37	0.15	0.37
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	5	0.37	0.15	0.37
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	5	0.37	0.15	0.37
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	5	0.37	0.12	0.42
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	5	0.37	0.12	0.42
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	5	0.37	0.12	0.42
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	5	0.37	0.15	0.33
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	5	0.36	0.08	0.35
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	5	0.36	0.26	0.23
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	5	0.36	0.26	0.23
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	5	0.36	0.26	0.23
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	5	0.34	0.13	0.3
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	5	0.34	0.13	0.3
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	5	0.34	0.13	0.3
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	5	0.34	0.15	0.33
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	5	0.34	0.15	0.33
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	5	0.34	0.15	0.33
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	5	0.34	0.09	0.34
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	5	0.34	0.09	0.34
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	5	0.34	0.09	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	5	0.33	0.09	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	5	0.33	0.09	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	5	0.33	0.09	0.34
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	5	0.33	0.11	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	5	0.33	0.11	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	5	0.33	0.11	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	5	0.33	0.11	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	5	0.33	0.11	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	5	0.33	0.11	0.4
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	5	0.32	0.12	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	5	0.32	0.12	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	5	0.32	0.12	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	5	0.32	0.11	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	5	0.32	0.11	0.38
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	5	0.32	0.21	0.26
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	5	0.32	0.21	0.26
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	5	0.32	0.12	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	5	0.32	0.12	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	5	0.32	0.12	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	5	0.32	0.12	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	5	0.32	0.12	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	5	0.32	0.12	0.31
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	5	0.32	0.11	0.36
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	5	0.31	0.09	0.29
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	5	0.31	0.21	0.25
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	5	0.31	0.21	0.25
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	5	0.31	0.21	0.25
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	5	0.3	0.12	0.25
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	5	0.3	0.12	0.25
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	5	0.3	0.1	0.33
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	5	0.29	0.14	0.28
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	5	0.28	0.19	0.2
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	5	0.28	0.17	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	5	0.28	0.15	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	5	0.28	0.15	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	5	0.28	0.15	0.23
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	5	0.28	0.18	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	5	0.27	0.06	0.28
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	5	0.27	0.06	0.28
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	5	0.27	0.06	0.28
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	5	0.27	0.06	0.28
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	5	0.27	0.06	0.28
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	5	0.27	0.06	0.28
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	5	0.27	0.13	0.23
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	5	0.27	0.13	0.23
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	5	0.27	0.13	0.23
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	5	0.27	0.13	0.23
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	5	0.27	0.13	0.23
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	5	0.27	0.13	0.23
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	5	0.27	0.1	0.25
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	5	0.27	0.1	0.25
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	5	0.27	0.1	0.22
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	5	0.27	0.1	0.22
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	5	0.27	0.1	0.22
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	5	0.27	0.03	0.26
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	5	0.26	0.04	0.26
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	5	0.25	0.07	0.2
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	5	0.25	0.07	0.2
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	5	0.25	0.07	0.2
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	5	0.24	0.1	0.21
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	5	0.24	0.1	0.21
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	5	0.24	0.11	0.25
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	5	0.23	0.1	0.21
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	5	0.23	0.06	0.25
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	5	0.23	0.06	0.25
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	5	0.22	0.1	0.2
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	5	0.22	0.04	0.22
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	5	0.21	0.08	0.17
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	5	0.2	0.03	0.2
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	5	0.2	0.03	0.2
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	5	0.2	0.03	0.2
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	5	0.2	0.09	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	5	0.2	0.09	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	5	0.2	0.09	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	5	0.2	0.09	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	5	0.2	0.09	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	5	0.2	0.09	0.14
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	5	0.18	0.05	0.21
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	5	0.18	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	5	0.18	0.05	0.21
(1,444)	1:498:A:THR:HA	1:499:A:PHE:HD2	4	2.01	0.78	2.42
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD2	4	1.07	0.45	1.14
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD3	4	1.07	0.45	1.14
(1,1919)	1:466:A:MET:HE1	1:541:A:GLN:HE21	4	1.0	0.39	1.09
(1,1919)	1:466:A:MET:HE2	1:541:A:GLN:HE21	4	1.0	0.39	1.09
(1,1919)	1:466:A:MET:HE3	1:541:A:GLN:HE21	4	1.0	0.39	1.09
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD2	4	0.96	0.58	1.08
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD3	4	0.96	0.58	1.08
(1,980)	1:500:A:LYS:HB3	1:501:A:TYR:HE2	4	0.91	0.51	0.78
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB2	4	0.89	0.21	0.92
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB3	4	0.89	0.21	0.92
(1,533)	1:480:A:GLU:HG2	1:507:A:GLY:HA2	4	0.86	0.09	0.84
(1,533)	1:480:A:GLU:HG3	1:507:A:GLY:HA2	4	0.86	0.09	0.84
(1,563)	1:472:A:GLU:HG2	1:511:A:HIS:HB3	4	0.8	0.26	0.84
(1,878)	1:464:A:LEU:HA	1:539:A:ILE:HB	4	0.8	0.35	0.86
(1,205)	1:502:A:ARG:HD2	1:515:A:ASN:H	4	0.78	0.52	0.82
(1,205)	1:502:A:ARG:HD3	1:515:A:ASN:H	4	0.78	0.52	0.82
(1,1282)	1:494:A:THR:H	1:495:A:ARG:HD3	4	0.74	0.35	0.77
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD11	4	0.74	0.32	0.86
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD12	4	0.74	0.32	0.86
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD13	4	0.74	0.32	0.86
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD21	4	0.74	0.32	0.86
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD22	4	0.74	0.32	0.86
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD23	4	0.74	0.32	0.86
(1,1916)	1:466:A:MET:HE1	1:541:A:GLN:HE22	4	0.72	0.56	0.64
(1,1916)	1:466:A:MET:HE2	1:541:A:GLN:HE22	4	0.72	0.56	0.64
(1,1916)	1:466:A:MET:HE3	1:541:A:GLN:HE22	4	0.72	0.56	0.64
(1,1306)	1:480:A:GLU:HB2	1:507:A:GLY:H	4	0.66	0.19	0.64
(1,474)	1:504:A:LYS:HE2	1:513:A:ILE:HB	4	0.64	0.07	0.64
(1,474)	1:504:A:LYS:HE3	1:513:A:ILE:HB	4	0.64	0.07	0.64
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD11	4	0.59	0.2	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD12	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD13	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD11	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD12	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD13	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD11	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD12	4	0.59	0.2	0.59
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD13	4	0.59	0.2	0.59
(1,136)	1:465:A:VAL:HG21	1:469:A:GLN:HA	4	0.58	0.25	0.57
(1,136)	1:465:A:VAL:HG22	1:469:A:GLN:HA	4	0.58	0.25	0.57
(1,136)	1:465:A:VAL:HG23	1:469:A:GLN:HA	4	0.58	0.25	0.57
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB2	4	0.57	0.25	0.55
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB3	4	0.57	0.25	0.55
(1,419)	1:494:A:THR:HA	1:495:A:ARG:HG2	4	0.57	0.26	0.6
(1,378)	1:487:A:LEU:HB2	1:492:A:GLU:HA	4	0.53	0.25	0.46
(1,1618)	1:461:A:GLU:HG2	1:462:A:ASP:H	4	0.52	0.41	0.38
(1,1618)	1:461:A:GLU:HG3	1:462:A:ASP:H	4	0.52	0.41	0.38
(1,1205)	1:502:A:ARG:HG2	1:503:A:PHE:H	4	0.52	0.28	0.4
(1,1205)	1:502:A:ARG:HG3	1:503:A:PHE:H	4	0.52	0.28	0.4
(1,1246)	1:503:A:PHE:HB3	1:511:A:HIS:H	4	0.5	0.34	0.4
(1,1797)	1:470:A:ARG:HD2	1:471:A:VAL:H	4	0.5	0.22	0.6
(1,1797)	1:470:A:ARG:HD3	1:471:A:VAL:H	4	0.5	0.22	0.6
(1,977)	1:500:A:LYS:HD2	1:501:A:TYR:HE1	4	0.5	0.35	0.38
(1,977)	1:500:A:LYS:HD3	1:501:A:TYR:HE1	4	0.5	0.35	0.38
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD2	4	0.48	0.27	0.38
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD3	4	0.48	0.27	0.38
(1,530)	1:461:A:GLU:HB2	1:473:A:PHE:HB2	4	0.47	0.13	0.52
(1,483)	1:500:A:LYS:HG2	1:501:A:TYR:HD2	4	0.47	0.14	0.48
(1,483)	1:500:A:LYS:HG3	1:501:A:TYR:HD2	4	0.47	0.14	0.48
(1,1474)	1:456:A:ILE:HD11	1:460:A:LEU:H	4	0.46	0.14	0.4
(1,1474)	1:456:A:ILE:HD12	1:460:A:LEU:H	4	0.46	0.14	0.4
(1,1474)	1:456:A:ILE:HD13	1:460:A:LEU:H	4	0.46	0.14	0.4
(1,2142)	1:487:A:LEU:HD11	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,2142)	1:487:A:LEU:HD12	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,2142)	1:487:A:LEU:HD13	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,2142)	1:487:A:LEU:HD21	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,2142)	1:487:A:LEU:HD22	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,2142)	1:487:A:LEU:HD23	1:492:A:GLU:HA	4	0.45	0.1	0.4
(1,1070)	1:493:A:LEU:H	1:503:A:PHE:HZ	4	0.45	0.14	0.42
(1,4)	1:456:A:ILE:HG21	1:459:A:PRO:HA	4	0.44	0.1	0.46
(1,4)	1:456:A:ILE:HG22	1:459:A:PRO:HA	4	0.44	0.1	0.46
(1,4)	1:456:A:ILE:HG23	1:459:A:PRO:HA	4	0.44	0.1	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1373)	1:470:A:ARG:H	1:516:A:GLU:HA	4	0.44	0.23	0.43
(1,1233)	1:489:A:ASP:HA	1:524:A:HIS:H	4	0.43	0.17	0.38
(1,1888)	1:527:A:LEU:H	1:535:A:LEU:H	4	0.42	0.16	0.44
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD2	4	0.41	0.11	0.47
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD3	4	0.41	0.11	0.47
(1,1458)	1:470:A:ARG:HA	1:516:A:GLU:H	4	0.4	0.17	0.45
(1,1730)	1:490:A:GLY:H	1:524:A:HIS:H	4	0.4	0.09	0.4
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	4	0.4	0.29	0.3
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	4	0.4	0.29	0.3
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	4	0.4	0.29	0.3
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	4	0.4	0.29	0.3
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	4	0.4	0.29	0.3
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	4	0.4	0.29	0.3
(1,1845)	1:487:A:LEU:HB2	1:526:A:ALA:H	4	0.39	0.12	0.36
(1,1985)	1:460:A:LEU:HD11	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,1985)	1:460:A:LEU:HD12	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,1985)	1:460:A:LEU:HD13	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,1985)	1:460:A:LEU:HD21	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,1985)	1:460:A:LEU:HD22	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,1985)	1:460:A:LEU:HD23	1:535:A:LEU:HA	4	0.38	0.21	0.36
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG2	4	0.38	0.16	0.44
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG3	4	0.38	0.16	0.44
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB1	4	0.37	0.17	0.4
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB2	4	0.37	0.17	0.4
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB3	4	0.37	0.17	0.4
(1,1621)	1:463:A:GLN:HE21	1:471:A:VAL:HA	4	0.36	0.1	0.38
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD11	4	0.35	0.08	0.35
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD12	4	0.35	0.08	0.35
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD13	4	0.35	0.08	0.35
(1,1966)	1:460:A:LEU:HD11	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,1966)	1:460:A:LEU:HD12	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,1966)	1:460:A:LEU:HD13	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,1966)	1:460:A:LEU:HD21	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,1966)	1:460:A:LEU:HD22	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,1966)	1:460:A:LEU:HD23	1:475:A:CYS:H	4	0.34	0.19	0.32
(1,881)	1:539:A:ILE:HD11	1:540:A:VAL:H	4	0.33	0.04	0.33
(1,881)	1:539:A:ILE:HD12	1:540:A:VAL:H	4	0.33	0.04	0.33
(1,881)	1:539:A:ILE:HD13	1:540:A:VAL:H	4	0.33	0.04	0.33
(1,1562)	1:465:A:VAL:H	1:540:A:VAL:H	4	0.33	0.14	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD11	4	0.33	0.08	0.31
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD12	4	0.33	0.08	0.31
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD13	4	0.33	0.08	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD21	4	0.33	0.08	0.31
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD22	4	0.33	0.08	0.31
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD23	4	0.33	0.08	0.31
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD11	4	0.3	0.14	0.29
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD12	4	0.3	0.14	0.29
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD13	4	0.3	0.14	0.29
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB1	4	0.3	0.12	0.28
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB2	4	0.3	0.12	0.28
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB3	4	0.3	0.12	0.28
(1,1123)	1:512:A:LEU:H	1:513:A:ILE:HB	4	0.28	0.14	0.28
(1,1805)	1:466:A:MET:HA	1:542:A:GLU:H	4	0.27	0.14	0.2
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB1	4	0.27	0.09	0.3
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB2	4	0.27	0.09	0.3
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB3	4	0.27	0.09	0.3
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG21	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG22	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG23	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG21	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG22	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG23	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG21	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG22	4	0.26	0.06	0.28
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG23	4	0.26	0.06	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD11	4	0.26	0.03	0.27
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD12	4	0.26	0.03	0.27
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD13	4	0.26	0.03	0.27
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD21	4	0.26	0.03	0.27
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD22	4	0.26	0.03	0.27
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD23	4	0.26	0.03	0.27
(1,133)	1:465:A:VAL:HG21	1:539:A:ILE:H	4	0.26	0.12	0.26
(1,133)	1:465:A:VAL:HG22	1:539:A:ILE:H	4	0.26	0.12	0.26
(1,133)	1:465:A:VAL:HG23	1:539:A:ILE:H	4	0.26	0.12	0.26
(1,1074)	1:464:A:LEU:H	1:464:A:LEU:HB3	4	0.26	0.05	0.26
(1,1729)	1:489:A:ASP:H	1:525:A:TYR:H	4	0.25	0.09	0.25
(1,1028)	1:488:A:LYS:HD2	1:489:A:ASP:H	4	0.24	0.05	0.24
(1,516)	1:505:A:LYS:HE2	1:506:A:ASP:H	4	0.24	0.07	0.22
(1,516)	1:505:A:LYS:HE3	1:506:A:ASP:H	4	0.24	0.07	0.22
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB1	4	0.24	0.13	0.19
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB2	4	0.24	0.13	0.19
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB3	4	0.24	0.13	0.19
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB2	4	0.23	0.09	0.22
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB3	4	0.23	0.09	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,799)	1:484:A:VAL:HB	1:529:A:THR:HA	4	0.23	0.06	0.2
(1,1544)	1:514:A:ILE:HG21	1:517:A:ALA:H	4	0.22	0.08	0.19
(1,1544)	1:514:A:ILE:HG22	1:517:A:ALA:H	4	0.22	0.08	0.19
(1,1544)	1:514:A:ILE:HG23	1:517:A:ALA:H	4	0.22	0.08	0.19
(1,1580)	1:525:A:TYR:H	1:536:A:ALA:H	4	0.22	0.11	0.18
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB2	4	0.22	0.09	0.22
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB3	4	0.22	0.09	0.22
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB2	4	0.22	0.09	0.22
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB3	4	0.22	0.09	0.22
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB2	4	0.22	0.09	0.22
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB3	4	0.22	0.09	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD11	4	0.22	0.06	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD12	4	0.22	0.06	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD13	4	0.22	0.06	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD21	4	0.22	0.06	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD22	4	0.22	0.06	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD23	4	0.22	0.06	0.22
(1,1600)	1:456:A:ILE:HG21	1:457:A:THR:H	4	0.21	0.04	0.22
(1,1600)	1:456:A:ILE:HG22	1:457:A:THR:H	4	0.21	0.04	0.22
(1,1600)	1:456:A:ILE:HG23	1:457:A:THR:H	4	0.21	0.04	0.22
(1,1453)	1:514:A:ILE:HB	1:516:A:GLU:H	4	0.21	0.07	0.22
(1,752)	1:485:A:LYS:H	1:527:A:LEU:HA	4	0.2	0.07	0.19
(1,1770)	1:500:A:LYS:H	1:501:A:TYR:HA	4	0.16	0.05	0.15
(1,1736)	1:494:A:THR:H	1:495:A:ARG:HA	4	0.14	0.03	0.13
(1,1432)	1:473:A:PHE:HB2	1:474:A:GLU:H	4	0.13	0.01	0.13
(1,1432)	1:473:A:PHE:HB3	1:474:A:GLU:H	4	0.13	0.01	0.13
(1,451)	1:498:A:THR:HA	1:498:A:THR:HB	4	0.13	0.02	0.14
(1,1219)	1:487:A:LEU:HB3	1:488:A:LYS:H	4	0.12	0.02	0.11
(1,1323)	1:508:A:GLN:HG2	1:508:A:GLN:HE22	4	0.11	0.01	0.11
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD11	3	1.65	0.18	1.73
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD12	3	1.65	0.18	1.73
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD13	3	1.65	0.18	1.73
(1,1766)	1:499:A:PHE:H	1:499:A:PHE:HD2	3	1.57	0.09	1.58
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD11	3	1.37	0.05	1.4
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD12	3	1.37	0.05	1.4
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD13	3	1.37	0.05	1.4
(1,601)	1:513:A:ILE:HG13	1:514:A:ILE:HA	3	1.14	0.02	1.12
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD11	3	1.12	0.49	1.38
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD12	3	1.12	0.49	1.38
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD13	3	1.12	0.49	1.38
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD11	3	1.12	0.49	1.38
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD12	3	1.12	0.49	1.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD13	3	1.12	0.49	1.38
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD11	3	1.05	0.07	1.04
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD12	3	1.05	0.07	1.04
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD13	3	1.05	0.07	1.04
(1,788)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	3	1.05	0.2	1.04
(1,788)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	3	1.05	0.2	1.04
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE2	3	0.95	0.36	1.18
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE3	3	0.95	0.36	1.18
(1,422)	1:494:A:THR:HG21	1:495:A:ARG:HD3	3	0.94	0.47	1.22
(1,422)	1:494:A:THR:HG22	1:495:A:ARG:HD3	3	0.94	0.47	1.22
(1,422)	1:494:A:THR:HG23	1:495:A:ARG:HD3	3	0.94	0.47	1.22
(1,197)	1:470:A:ARG:HB2	1:513:A:ILE:HG13	3	0.84	0.2	0.79
(1,197)	1:470:A:ARG:HB3	1:513:A:ILE:HG13	3	0.84	0.2	0.79
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG21	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG22	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG23	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG21	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG22	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG23	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG21	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG22	3	0.78	0.19	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG23	3	0.78	0.19	0.85
(1,1653)	1:470:A:ARG:HE	1:513:A:ILE:HG13	3	0.77	0.36	1.02
(1,1391)	1:459:A:PRO:HB2	1:535:A:LEU:H	3	0.76	0.42	0.67
(1,1391)	1:459:A:PRO:HB3	1:535:A:LEU:H	3	0.76	0.42	0.67
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE1	3	0.72	0.3	0.58
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE2	3	0.72	0.3	0.58
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE3	3	0.72	0.3	0.58
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG21	3	0.71	0.04	0.69
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG22	3	0.71	0.04	0.69
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG23	3	0.71	0.04	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG21	3	0.69	0.01	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG22	3	0.69	0.01	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG23	3	0.69	0.01	0.69
(1,2229)	1:506:A:ASP:HB2	1:509:A:ARG:H	3	0.59	0.44	0.43
(1,2229)	1:506:A:ASP:HB3	1:509:A:ARG:H	3	0.59	0.44	0.43
(1,1639)	1:468:A:GLY:H	1:518:A:MET:HG2	3	0.58	0.41	0.36
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG22	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG22	3	0.58	0.16	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG22	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG22	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG22	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG21	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG22	3	0.58	0.16	0.67
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG23	3	0.58	0.16	0.67
(1,321)	1:482:A:ALA:HB1	1:510:A:HIS:HE1	3	0.57	0.48	0.25
(1,321)	1:482:A:ALA:HB2	1:510:A:HIS:HE1	3	0.57	0.48	0.25
(1,321)	1:482:A:ALA:HB3	1:510:A:HIS:HE1	3	0.57	0.48	0.25
(1,305)	1:487:A:LEU:HG	1:492:A:GLU:HA	3	0.56	0.05	0.59
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG2	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG3	3	0.56	0.09	0.5
(1,801)	1:454:A:VAL:HG11	1:529:A:THR:HB	3	0.55	0.11	0.54
(1,801)	1:454:A:VAL:HG12	1:529:A:THR:HB	3	0.55	0.11	0.54
(1,801)	1:454:A:VAL:HG13	1:529:A:THR:HB	3	0.55	0.11	0.54
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD11	3	0.54	0.05	0.53
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD12	3	0.54	0.05	0.53
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD13	3	0.54	0.05	0.53
(1,1449)	1:479:A:GLU:H	1:508:A:GLN:HE21	3	0.54	0.04	0.56
(1,744)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	3	0.53	0.26	0.64
(1,744)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	3	0.53	0.26	0.64
(1,744)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	3	0.53	0.26	0.64
(1,696)	1:519:A:LEU:HD21	1:542:A:GLU:HB3	3	0.52	0.23	0.63
(1,696)	1:519:A:LEU:HD22	1:542:A:GLU:HB3	3	0.52	0.23	0.63
(1,696)	1:519:A:LEU:HD23	1:542:A:GLU:HB3	3	0.52	0.23	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB1	3	0.51	0.18	0.6
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB2	3	0.51	0.18	0.6
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB3	3	0.51	0.18	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB1	3	0.51	0.18	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB2	3	0.51	0.18	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB3	3	0.51	0.18	0.6
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB2	3	0.5	0.16	0.45
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	3	0.5	0.16	0.45
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB2	3	0.5	0.16	0.45
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	3	0.5	0.16	0.45
(1,747)	1:460:A:LEU:HG	1:526:A:ALA:HA	3	0.49	0.43	0.19
(1,802)	1:454:A:VAL:HA	1:529:A:THR:HB	3	0.48	0.13	0.48
(1,435)	1:495:A:ARG:HG2	1:496:A:GLU:HA	3	0.47	0.31	0.28
(1,1977)	1:460:A:LEU:HD11	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,1977)	1:460:A:LEU:HD12	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,1977)	1:460:A:LEU:HD13	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,1977)	1:460:A:LEU:HD21	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,1977)	1:460:A:LEU:HD22	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,1977)	1:460:A:LEU:HD23	1:527:A:LEU:H	3	0.47	0.24	0.42
(1,2003)	1:464:A:LEU:HD11	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,2003)	1:464:A:LEU:HD12	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,2003)	1:464:A:LEU:HD13	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,2003)	1:464:A:LEU:HD21	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,2003)	1:464:A:LEU:HD22	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,2003)	1:464:A:LEU:HD23	1:539:A:ILE:H	3	0.47	0.14	0.48
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG2	3	0.46	0.11	0.44
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG3	3	0.46	0.11	0.44
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG2	3	0.46	0.11	0.44
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG3	3	0.46	0.11	0.44
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG2	3	0.46	0.11	0.44
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG3	3	0.46	0.11	0.44
(1,735)	1:488:A:LYS:HG3	1:525:A:TYR:HA	3	0.46	0.2	0.41
(1,1638)	1:467:A:VAL:H	1:542:A:GLU:H	3	0.46	0.35	0.26
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	3	0.45	0.2	0.32
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	3	0.45	0.2	0.32
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	3	0.45	0.2	0.32
(1,1034)	1:455:A:LEU:H	1:478:A:SER:HB2	3	0.45	0.21	0.59
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG21	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG22	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG23	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG21	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG22	3	0.44	0.02	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG23	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG21	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG22	3	0.44	0.02	0.44
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG23	3	0.44	0.02	0.44
(1,1291)	1:498:A:THR:HG21	1:501:A:TYR:H	3	0.43	0.03	0.43
(1,1291)	1:498:A:THR:HG22	1:501:A:TYR:H	3	0.43	0.03	0.43
(1,1291)	1:498:A:THR:HG23	1:501:A:TYR:H	3	0.43	0.03	0.43
(1,1965)	1:460:A:LEU:HD11	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,1965)	1:460:A:LEU:HD12	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,1965)	1:460:A:LEU:HD13	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,1965)	1:460:A:LEU:HD21	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,1965)	1:460:A:LEU:HD22	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,1965)	1:460:A:LEU:HD23	1:474:A:GLU:HA	3	0.43	0.16	0.41
(1,272)	1:456:A:ILE:H	1:477:A:VAL:HB	3	0.42	0.23	0.46
(1,1110)	1:473:A:PHE:H	1:512:A:LEU:H	3	0.41	0.22	0.37
(1,1906)	1:466:A:MET:HG2	1:541:A:GLN:H	3	0.41	0.22	0.55
(1,91)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	3	0.39	0.24	0.23
(1,91)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	3	0.39	0.24	0.23
(1,91)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	3	0.39	0.24	0.23
(1,1650)	1:466:A:MET:HA	1:469:A:GLN:HE22	3	0.39	0.21	0.28
(1,130)	1:465:A:VAL:HG21	1:469:A:GLN:H	3	0.38	0.13	0.47
(1,130)	1:465:A:VAL:HG22	1:469:A:GLN:H	3	0.38	0.13	0.47
(1,130)	1:465:A:VAL:HG23	1:469:A:GLN:H	3	0.38	0.13	0.47
(1,2228)	1:506:A:ASP:HB2	1:508:A:GLN:H	3	0.37	0.04	0.4
(1,2228)	1:506:A:ASP:HB3	1:508:A:GLN:H	3	0.37	0.04	0.4
(1,1726)	1:487:A:LEU:H	1:493:A:LEU:HB2	3	0.37	0.15	0.37
(1,1921)	1:519:A:LEU:HD11	1:542:A:GLU:H	3	0.36	0.05	0.37
(1,1921)	1:519:A:LEU:HD12	1:542:A:GLU:H	3	0.36	0.05	0.37
(1,1921)	1:519:A:LEU:HD13	1:542:A:GLU:H	3	0.36	0.05	0.37
(1,706)	1:519:A:LEU:HD11	1:540:A:VAL:HB	3	0.36	0.2	0.37
(1,706)	1:519:A:LEU:HD12	1:540:A:VAL:HB	3	0.36	0.2	0.37
(1,706)	1:519:A:LEU:HD13	1:540:A:VAL:HB	3	0.36	0.2	0.37
(1,1556)	1:519:A:LEU:HA	1:540:A:VAL:H	3	0.36	0.01	0.36
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD2	3	0.36	0.04	0.36
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD3	3	0.36	0.04	0.36
(1,3)	1:456:A:ILE:HD11	1:459:A:PRO:HA	3	0.35	0.13	0.32
(1,3)	1:456:A:ILE:HD12	1:459:A:PRO:HA	3	0.35	0.13	0.32
(1,3)	1:456:A:ILE:HD13	1:459:A:PRO:HA	3	0.35	0.13	0.32
(1,1032)	1:455:A:LEU:H	1:478:A:SER:HB3	3	0.35	0.14	0.4
(1,1975)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	3	0.35	0.05	0.38
(1,1975)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	3	0.35	0.05	0.38
(1,1975)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	3	0.35	0.05	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1975)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	3	0.35	0.05	0.38
(1,1975)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	3	0.35	0.05	0.38
(1,1975)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	3	0.35	0.05	0.38
(1,1688)	1:480:A:GLU:H	1:508:A:GLN:HG2	3	0.34	0.04	0.32
(1,1296)	1:501:A:TYR:H	1:501:A:TYR:HD2	3	0.33	0.22	0.21
(1,1959)	1:460:A:LEU:HD11	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,1959)	1:460:A:LEU:HD12	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,1959)	1:460:A:LEU:HD13	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,1959)	1:460:A:LEU:HD21	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,1959)	1:460:A:LEU:HD22	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,1959)	1:460:A:LEU:HD23	1:461:A:GLU:H	3	0.33	0.12	0.35
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG2	3	0.32	0.22	0.22
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG3	3	0.32	0.22	0.22
(1,641)	1:471:A:VAL:H	1:515:A:ASN:HA	3	0.32	0.12	0.29
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG11	3	0.32	0.02	0.32
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG12	3	0.32	0.02	0.32
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG13	3	0.32	0.02	0.32
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG21	3	0.31	0.08	0.26
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG22	3	0.31	0.08	0.26
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG23	3	0.31	0.08	0.26
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD11	3	0.31	0.14	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD12	3	0.31	0.14	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD13	3	0.31	0.14	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD21	3	0.31	0.14	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD22	3	0.31	0.14	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD23	3	0.31	0.14	0.29
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB1	3	0.31	0.13	0.32
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB2	3	0.31	0.13	0.32
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB3	3	0.31	0.13	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB1	3	0.31	0.13	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB2	3	0.31	0.13	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB3	3	0.31	0.13	0.32
(1,47)	1:456:A:ILE:HD11	1:527:A:LEU:HA	3	0.3	0.16	0.23
(1,47)	1:456:A:ILE:HD12	1:527:A:LEU:HA	3	0.3	0.16	0.23
(1,47)	1:456:A:ILE:HD13	1:527:A:LEU:HA	3	0.3	0.16	0.23
(1,1842)	1:488:A:LYS:HA	1:526:A:ALA:H	3	0.3	0.17	0.27
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD21	3	0.29	0.1	0.34
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD22	3	0.29	0.1	0.34
(1,2256)	1:515:A:ASN:HD21	1:516:A:GLU:H	3	0.29	0.11	0.28
(1,2256)	1:515:A:ASN:HD22	1:516:A:GLU:H	3	0.29	0.11	0.28
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD11	3	0.29	0.14	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD12	3	0.29	0.14	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD13	3	0.29	0.14	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD21	3	0.29	0.14	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD22	3	0.29	0.14	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD23	3	0.29	0.14	0.27
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD11	3	0.29	0.04	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD12	3	0.29	0.04	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD13	3	0.29	0.04	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD21	3	0.29	0.04	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD22	3	0.29	0.04	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD23	3	0.29	0.04	0.28
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD11	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD12	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD13	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD21	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD22	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD23	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD11	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD12	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD13	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD21	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD22	3	0.27	0.1	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD23	3	0.27	0.1	0.22
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB1	3	0.27	0.16	0.16
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB2	3	0.27	0.16	0.16
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB3	3	0.27	0.16	0.16
(1,1448)	1:477:A:VAL:HG11	1:479:A:GLU:H	3	0.27	0.0	0.27
(1,1448)	1:477:A:VAL:HG12	1:479:A:GLU:H	3	0.27	0.0	0.27
(1,1448)	1:477:A:VAL:HG13	1:479:A:GLU:H	3	0.27	0.0	0.27
(1,1417)	1:486:A:TRP:HZ2	1:510:A:HIS:H	3	0.26	0.13	0.22
(1,1637)	1:467:A:VAL:H	1:469:A:GLN:HE21	3	0.26	0.06	0.23
(1,258)	1:476:A:GLU:HA	1:510:A:HIS:HD2	3	0.26	0.09	0.27
(1,1022)	1:489:A:ASP:H	1:525:A:TYR:HA	3	0.26	0.1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD11	3	0.26	0.0	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD12	3	0.26	0.0	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD13	3	0.26	0.0	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD21	3	0.26	0.0	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD22	3	0.26	0.0	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD23	3	0.26	0.0	0.26
(1,1290)	1:500:A:LYS:HG2	1:501:A:TYR:H	3	0.25	0.1	0.18
(1,1290)	1:500:A:LYS:HG3	1:501:A:TYR:H	3	0.25	0.1	0.18
(1,1321)	1:478:A:SER:HA	1:508:A:GLN:HE21	3	0.25	0.1	0.3
(1,1778)	1:500:A:LYS:HE2	1:501:A:TYR:H	3	0.25	0.13	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,429)	1:495:A:ARG:HA	1:503:A:PHE:HZ	3	0.25	0.04	0.25
(1,1424)	1:536:A:ALA:HB1	1:537:A:GLU:H	3	0.24	0.01	0.24
(1,1424)	1:536:A:ALA:HB2	1:537:A:GLU:H	3	0.24	0.01	0.24
(1,1424)	1:536:A:ALA:HB3	1:537:A:GLU:H	3	0.24	0.01	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD21	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD22	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD23	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD11	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD12	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD13	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD21	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD22	3	0.24	0.05	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD23	3	0.24	0.05	0.24
(1,671)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	3	0.24	0.12	0.2
(1,671)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	3	0.24	0.12	0.2
(1,671)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	3	0.24	0.12	0.2
(1,1316)	1:478:A:SER:HA	1:508:A:GLN:HE22	3	0.23	0.12	0.19
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG2	3	0.23	0.08	0.2
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG3	3	0.23	0.08	0.2
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD11	3	0.22	0.12	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD12	3	0.22	0.12	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD13	3	0.22	0.12	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD21	3	0.22	0.12	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD22	3	0.22	0.12	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD23	3	0.22	0.12	0.14
(1,170)	1:467:A:VAL:HG11	1:519:A:LEU:HA	3	0.22	0.08	0.23
(1,170)	1:467:A:VAL:HG12	1:519:A:LEU:HA	3	0.22	0.08	0.23
(1,170)	1:467:A:VAL:HG13	1:519:A:LEU:HA	3	0.22	0.08	0.23
(1,1107)	1:473:A:PHE:H	1:511:A:HIS:HA	3	0.22	0.1	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG21	3	0.22	0.09	0.21
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG22	3	0.22	0.09	0.21
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG23	3	0.22	0.09	0.21
(1,1043)	1:486:A:TRP:HE1	1:510:A:HIS:HB3	3	0.22	0.09	0.23
(1,2022)	1:466:A:MET:HG2	1:540:A:VAL:HA	3	0.22	0.06	0.25
(1,2022)	1:466:A:MET:HG3	1:540:A:VAL:HA	3	0.22	0.06	0.25
(1,1784)	1:488:A:LYS:H	1:490:A:GLY:HA2	3	0.22	0.07	0.2
(1,308)	1:480:A:GLU:HB3	1:508:A:GLN:HE21	3	0.21	0.12	0.14
(1,1300)	1:507:A:GLY:H	1:508:A:GLN:H	3	0.21	0.0	0.21
(1,1072)	1:487:A:LEU:H	1:493:A:LEU:H	3	0.21	0.07	0.19
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB2	3	0.2	0.06	0.2
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB3	3	0.2	0.06	0.2
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB1	3	0.2	0.04	0.18
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB2	3	0.2	0.04	0.18
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB3	3	0.2	0.04	0.18
(1,259)	1:458:A:ARG:H	1:476:A:GLU:HB3	3	0.2	0.09	0.15
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD11	3	0.19	0.06	0.18
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD12	3	0.19	0.06	0.18
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD13	3	0.19	0.06	0.18
(1,750)	1:526:A:ALA:HA	1:534:A:ALA:H	3	0.19	0.08	0.13
(1,1132)	1:500:A:LYS:HA	1:515:A:ASN:H	3	0.18	0.06	0.15
(1,1442)	1:477:A:VAL:HG21	1:479:A:GLU:H	3	0.18	0.01	0.17
(1,1442)	1:477:A:VAL:HG22	1:479:A:GLU:H	3	0.18	0.01	0.17
(1,1442)	1:477:A:VAL:HG23	1:479:A:GLU:H	3	0.18	0.01	0.17
(1,518)	1:526:A:ALA:HB1	1:535:A:LEU:HA	3	0.17	0.05	0.19
(1,518)	1:526:A:ALA:HB2	1:535:A:LEU:HA	3	0.17	0.05	0.19
(1,518)	1:526:A:ALA:HB3	1:535:A:LEU:HA	3	0.17	0.05	0.19
(1,261)	1:475:A:CYS:HA	1:476:A:GLU:HG2	3	0.17	0.05	0.15
(1,1018)	1:489:A:ASP:H	1:491:A:VAL:H	3	0.17	0.05	0.16
(1,534)	1:507:A:GLY:HA2	1:508:A:GLN:HG2	3	0.16	0.01	0.17
(1,67)	1:456:A:ILE:HG21	1:460:A:LEU:H	3	0.16	0.02	0.14
(1,67)	1:456:A:ILE:HG22	1:460:A:LEU:H	3	0.16	0.02	0.14
(1,67)	1:456:A:ILE:HG23	1:460:A:LEU:H	3	0.16	0.02	0.14
(1,1881)	1:533:A:GLN:H	1:534:A:ALA:H	3	0.16	0.04	0.15
(1,517)	1:526:A:ALA:HB1	1:527:A:LEU:H	3	0.15	0.0	0.15
(1,517)	1:526:A:ALA:HB2	1:527:A:LEU:H	3	0.15	0.0	0.15
(1,517)	1:526:A:ALA:HB3	1:527:A:LEU:H	3	0.15	0.0	0.15
(1,1009)	1:539:A:ILE:H	1:540:A:VAL:H	3	0.15	0.02	0.14
(1,658)	1:516:A:GLU:HB2	1:517:A:ALA:HA	3	0.15	0.04	0.12
(1,658)	1:516:A:GLU:HB3	1:517:A:ALA:HA	3	0.15	0.04	0.12
(1,1446)	1:477:A:VAL:HB	1:479:A:GLU:H	3	0.15	0.03	0.14
(1,1355)	1:520:A:GLU:HA	1:521:A:ASP:H	3	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD11	3	0.14	0.0	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD12	3	0.14	0.0	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD13	3	0.14	0.0	0.14
(1,501)	1:503:A:PHE:HA	1:504:A:LYS:HB2	3	0.13	0.02	0.14
(1,2178)	1:493:A:LEU:HD11	1:494:A:THR:H	3	0.12	0.02	0.11
(1,2178)	1:493:A:LEU:HD12	1:494:A:THR:H	3	0.12	0.02	0.11
(1,2178)	1:493:A:LEU:HD13	1:494:A:THR:H	3	0.12	0.02	0.11
(1,2178)	1:493:A:LEU:HD21	1:494:A:THR:H	3	0.12	0.02	0.11
(1,2178)	1:493:A:LEU:HD22	1:494:A:THR:H	3	0.12	0.02	0.11
(1,2178)	1:493:A:LEU:HD23	1:494:A:THR:H	3	0.12	0.02	0.11
(1,1532)	1:505:A:LYS:HB2	1:506:A:ASP:H	3	0.11	0.0	0.11
(1,1532)	1:505:A:LYS:HB3	1:506:A:ASP:H	3	0.11	0.0	0.11
(1,1748)	1:495:A:ARG:HD3	1:496:A:GLU:H	2	1.25	0.31	1.25
(1,227)	1:471:A:VAL:HG21	1:473:A:PHE:H	2	1.23	0.01	1.23
(1,227)	1:471:A:VAL:HG22	1:473:A:PHE:H	2	1.23	0.01	1.23
(1,227)	1:471:A:VAL:HG23	1:473:A:PHE:H	2	1.23	0.01	1.23
(1,2220)	1:504:A:LYS:HG2	1:511:A:HIS:HD2	2	1.12	0.05	1.12
(1,2220)	1:504:A:LYS:HG3	1:511:A:HIS:HD2	2	1.12	0.05	1.12
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG2	2	1.11	0.95	1.11
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG3	2	1.11	0.95	1.11
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG2	2	1.11	0.95	1.11
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG3	2	1.11	0.95	1.11
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG2	2	1.1	0.53	1.1
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG3	2	1.1	0.53	1.1
(1,78)	1:459:A:PRO:HB2	1:534:A:ALA:HA	2	0.84	0.04	0.84
(1,78)	1:459:A:PRO:HB3	1:534:A:ALA:HA	2	0.84	0.04	0.84
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG2	2	0.84	0.24	0.84
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG3	2	0.84	0.24	0.84
(1,983)	1:504:A:LYS:HB2	1:511:A:HIS:HD2	2	0.73	0.02	0.73
(1,983)	1:504:A:LYS:HB3	1:511:A:HIS:HD2	2	0.73	0.02	0.73
(1,961)	1:461:A:GLU:HB3	1:473:A:PHE:HZ	2	0.68	0.25	0.68
(1,990)	1:477:A:VAL:HG21	1:510:A:HIS:HE1	2	0.66	0.37	0.66
(1,990)	1:477:A:VAL:HG22	1:510:A:HIS:HE1	2	0.66	0.37	0.66
(1,990)	1:477:A:VAL:HG23	1:510:A:HIS:HE1	2	0.66	0.37	0.66
(1,1493)	1:465:A:VAL:HG11	1:469:A:GLN:HE21	2	0.64	0.1	0.64
(1,1493)	1:465:A:VAL:HG12	1:469:A:GLN:HE21	2	0.64	0.1	0.64
(1,1493)	1:465:A:VAL:HG13	1:469:A:GLN:HE21	2	0.64	0.1	0.64
(1,1313)	1:502:A:ARG:HB2	1:515:A:ASN:HD21	2	0.61	0.42	0.61
(1,1313)	1:502:A:ARG:HB3	1:515:A:ASN:HD21	2	0.61	0.42	0.61
(1,71)	1:457:A:THR:HG21	1:477:A:VAL:HA	2	0.6	0.35	0.6
(1,71)	1:457:A:THR:HG22	1:477:A:VAL:HA	2	0.6	0.35	0.6
(1,71)	1:457:A:THR:HG23	1:477:A:VAL:HA	2	0.6	0.35	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD21	2	0.54	0.02	0.54
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD22	2	0.54	0.02	0.54
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD23	2	0.54	0.02	0.54
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD21	2	0.54	0.02	0.54
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD22	2	0.54	0.02	0.54
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD23	2	0.54	0.02	0.54
(1,896)	1:539:A:ILE:HG21	1:541:A:GLN:HE22	2	0.51	0.03	0.51
(1,896)	1:539:A:ILE:HG22	1:541:A:GLN:HE22	2	0.51	0.03	0.51
(1,896)	1:539:A:ILE:HG23	1:541:A:GLN:HE22	2	0.51	0.03	0.51
(1,1529)	1:506:A:ASP:H	1:511:A:HIS:HD2	2	0.51	0.06	0.51
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD21	2	0.5	0.12	0.5
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD22	2	0.5	0.12	0.5
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD23	2	0.5	0.12	0.5
(1,1849)	1:486:A:TRP:HB3	1:526:A:ALA:H	2	0.49	0.22	0.49
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE21	2	0.49	0.12	0.49
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE22	2	0.49	0.12	0.49
(1,1986)	1:460:A:LEU:HD11	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,1986)	1:460:A:LEU:HD12	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,1986)	1:460:A:LEU:HD13	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,1986)	1:460:A:LEU:HD21	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,1986)	1:460:A:LEU:HD22	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,1986)	1:460:A:LEU:HD23	1:536:A:ALA:H	2	0.48	0.07	0.48
(1,2056)	1:471:A:VAL:HG11	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,2056)	1:471:A:VAL:HG12	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,2056)	1:471:A:VAL:HG13	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,2056)	1:471:A:VAL:HG21	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,2056)	1:471:A:VAL:HG22	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,2056)	1:471:A:VAL:HG23	1:513:A:ILE:HA	2	0.46	0.03	0.46
(1,202)	1:458:A:ARG:HD2	1:459:A:PRO:HA	2	0.46	0.09	0.46
(1,202)	1:458:A:ARG:HD3	1:459:A:PRO:HA	2	0.46	0.09	0.46
(1,1519)	1:455:A:LEU:H	1:478:A:SER:H	2	0.45	0.01	0.45
(1,1398)	1:476:A:GLU:HG2	1:510:A:HIS:H	2	0.44	0.04	0.44
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG21	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG22	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG23	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG21	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG22	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG23	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG21	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG22	2	0.42	0.01	0.42
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG23	2	0.42	0.01	0.42
(1,1984)	1:460:A:LEU:HD11	1:535:A:LEU:H	2	0.41	0.17	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1984)	1:460:A:LEU:HD12	1:535:A:LEU:H	2	0.41	0.17	0.41
(1,1984)	1:460:A:LEU:HD13	1:535:A:LEU:H	2	0.41	0.17	0.41
(1,1984)	1:460:A:LEU:HD21	1:535:A:LEU:H	2	0.41	0.17	0.41
(1,1984)	1:460:A:LEU:HD22	1:535:A:LEU:H	2	0.41	0.17	0.41
(1,1984)	1:460:A:LEU:HD23	1:535:A:LEU:H	2	0.41	0.17	0.41
(1,2081)	1:475:A:CYS:HB2	1:527:A:LEU:HG	2	0.41	0.18	0.41
(1,2081)	1:475:A:CYS:HB3	1:527:A:LEU:HG	2	0.41	0.18	0.41
(1,491)	1:495:A:ARG:HA	1:495:A:ARG:HD3	2	0.4	0.05	0.4
(1,2032)	1:467:A:VAL:HG11	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,2032)	1:467:A:VAL:HG12	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,2032)	1:467:A:VAL:HG13	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,2032)	1:467:A:VAL:HG21	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,2032)	1:467:A:VAL:HG22	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,2032)	1:467:A:VAL:HG23	1:516:A:GLU:HA	2	0.4	0.28	0.4
(1,1722)	1:486:A:TRP:HE1	1:512:A:LEU:HA	2	0.39	0.02	0.39
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB1	2	0.38	0.15	0.38
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB2	2	0.38	0.15	0.38
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB3	2	0.38	0.15	0.38
(1,1907)	1:466:A:MET:H	1:541:A:GLN:HE21	2	0.38	0.08	0.38
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB2	2	0.38	0.27	0.38
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB3	2	0.38	0.27	0.38
(1,479)	1:500:A:LYS:HA	1:500:A:LYS:HE3	2	0.38	0.18	0.38
(1,789)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	2	0.38	0.08	0.38
(1,789)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	2	0.38	0.08	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD11	2	0.38	0.01	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD12	2	0.38	0.01	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD13	2	0.38	0.01	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD21	2	0.38	0.01	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD22	2	0.38	0.01	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD23	2	0.38	0.01	0.38
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	2	0.38	0.16	0.38
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	2	0.38	0.16	0.38
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	2	0.38	0.16	0.38
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	2	0.38	0.16	0.38
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	2	0.38	0.16	0.38
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	2	0.38	0.16	0.38
(1,1900)	1:466:A:MET:HA	1:543:A:LYS:H	2	0.37	0.13	0.37
(1,1487)	1:461:A:GLU:HB2	1:463:A:GLN:HE21	2	0.36	0.1	0.36
(1,1487)	1:461:A:GLU:HB3	1:463:A:GLN:HE21	2	0.36	0.1	0.36
(1,1075)	1:463:A:GLN:HG2	1:464:A:LEU:H	2	0.36	0.09	0.36
(1,1075)	1:463:A:GLN:HG3	1:464:A:LEU:H	2	0.36	0.09	0.36
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD2	2	0.36	0.23	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD3	2	0.36	0.23	0.36
(1,2062)	1:471:A:VAL:HG11	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,2062)	1:471:A:VAL:HG12	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,2062)	1:471:A:VAL:HG13	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,2062)	1:471:A:VAL:HG21	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,2062)	1:471:A:VAL:HG22	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,2062)	1:471:A:VAL:HG23	1:538:A:LEU:HG	2	0.36	0.14	0.36
(1,1013)	1:464:A:LEU:HB2	1:539:A:ILE:H	2	0.34	0.09	0.34
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB2	2	0.34	0.15	0.34
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB3	2	0.34	0.15	0.34
(1,134)	1:465:A:VAL:HG21	1:468:A:GLY:H	2	0.34	0.02	0.34
(1,134)	1:465:A:VAL:HG22	1:468:A:GLY:H	2	0.34	0.02	0.34
(1,134)	1:465:A:VAL:HG23	1:468:A:GLY:H	2	0.34	0.02	0.34
(1,1496)	1:466:A:MET:HA	1:469:A:GLN:HE21	2	0.34	0.1	0.34
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB2	2	0.32	0.05	0.32
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB3	2	0.32	0.05	0.32
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB2	2	0.32	0.05	0.32
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB3	2	0.32	0.05	0.32
(1,1692)	1:456:A:ILE:HG13	1:534:A:ALA:H	2	0.32	0.08	0.32
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG21	2	0.31	0.07	0.31
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG22	2	0.31	0.07	0.31
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG23	2	0.31	0.07	0.31
(1,1305)	1:505:A:LYS:HB2	1:507:A:GLY:H	2	0.31	0.13	0.31
(1,1305)	1:505:A:LYS:HB3	1:507:A:GLY:H	2	0.31	0.13	0.31
(1,666)	1:522:A:ALA:HA	1:538:A:LEU:H	2	0.3	0.08	0.3
(1,1041)	1:486:A:TRP:HE1	1:510:A:HIS:HB2	2	0.3	0.07	0.3
(1,746)	1:460:A:LEU:HD21	1:526:A:ALA:HA	2	0.29	0.02	0.29
(1,746)	1:460:A:LEU:HD22	1:526:A:ALA:HA	2	0.29	0.02	0.29
(1,746)	1:460:A:LEU:HD23	1:526:A:ALA:HA	2	0.29	0.02	0.29
(1,1669)	1:475:A:CYS:H	1:511:A:HIS:HA	2	0.29	0.09	0.29
(1,1046)	1:484:A:VAL:HG21	1:486:A:TRP:HE1	2	0.29	0.14	0.29
(1,1046)	1:484:A:VAL:HG22	1:486:A:TRP:HE1	2	0.29	0.14	0.29
(1,1046)	1:484:A:VAL:HG23	1:486:A:TRP:HE1	2	0.29	0.14	0.29
(1,132)	1:465:A:VAL:HG21	1:471:A:VAL:H	2	0.29	0.02	0.29
(1,132)	1:465:A:VAL:HG22	1:471:A:VAL:H	2	0.29	0.02	0.29
(1,132)	1:465:A:VAL:HG23	1:471:A:VAL:H	2	0.29	0.02	0.29
(1,893)	1:539:A:ILE:HG21	1:541:A:GLN:HE21	2	0.29	0.11	0.29
(1,893)	1:539:A:ILE:HG22	1:541:A:GLN:HE21	2	0.29	0.11	0.29
(1,893)	1:539:A:ILE:HG23	1:541:A:GLN:HE21	2	0.29	0.11	0.29
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD2	2	0.28	0.08	0.28
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD3	2	0.28	0.08	0.28
(1,125)	1:465:A:VAL:HG11	1:471:A:VAL:HB	2	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,125)	1:465:A:VAL:HG12	1:471:A:VAL:HB	2	0.28	0.01	0.28
(1,125)	1:465:A:VAL:HG13	1:471:A:VAL:HB	2	0.28	0.01	0.28
(1,1802)	1:476:A:GLU:HB3	1:508:A:GLN:HE22	2	0.28	0.13	0.28
(1,2064)	1:471:A:VAL:HG11	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,2064)	1:471:A:VAL:HG12	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,2064)	1:471:A:VAL:HG13	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,2064)	1:471:A:VAL:HG21	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,2064)	1:471:A:VAL:HG22	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,2064)	1:471:A:VAL:HG23	1:539:A:ILE:H	2	0.28	0.12	0.28
(1,332)	1:484:A:VAL:HG11	1:486:A:TRP:HE1	2	0.27	0.0	0.27
(1,332)	1:484:A:VAL:HG12	1:486:A:TRP:HE1	2	0.27	0.0	0.27
(1,332)	1:484:A:VAL:HG13	1:486:A:TRP:HE1	2	0.27	0.0	0.27
(1,1743)	1:495:A:ARG:H	1:495:A:ARG:HG2	2	0.27	0.14	0.27
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB2	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB3	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD21	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD22	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD21	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD22	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD21	2	0.26	0.08	0.26
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD22	2	0.26	0.08	0.26
(1,1312)	1:502:A:ARG:HD2	1:515:A:ASN:HD21	2	0.26	0.05	0.26
(1,1312)	1:502:A:ARG:HD3	1:515:A:ASN:HD21	2	0.26	0.05	0.26
(1,15)	1:454:A:VAL:HB	1:529:A:THR:HB	2	0.26	0.08	0.26
(1,1094)	1:467:A:VAL:H	1:541:A:GLN:H	2	0.26	0.14	0.26
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD21	2	0.24	0.02	0.24
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD22	2	0.24	0.02	0.24
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD23	2	0.24	0.02	0.24
(1,322)	1:482:A:ALA:HB1	1:484:A:VAL:H	2	0.24	0.08	0.24
(1,322)	1:482:A:ALA:HB2	1:484:A:VAL:H	2	0.24	0.08	0.24
(1,322)	1:482:A:ALA:HB3	1:484:A:VAL:H	2	0.24	0.08	0.24
(1,350)	1:484:A:VAL:HG21	1:486:A:TRP:H	2	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,350)	1:484:A:VAL:HG22	1:486:A:TRP:H	2	0.24	0.03	0.24
(1,350)	1:484:A:VAL:HG23	1:486:A:TRP:H	2	0.24	0.03	0.24
(1,1093)	1:472:A:GLU:H	1:513:A:ILE:HA	2	0.24	0.03	0.24
(1,1138)	1:515:A:ASN:H	1:515:A:ASN:HD22	2	0.24	0.06	0.24
(1,2025)	1:466:A:MET:HG2	1:543:A:LYS:H	2	0.24	0.0	0.24
(1,2025)	1:466:A:MET:HG3	1:543:A:LYS:H	2	0.24	0.0	0.24
(1,375)	1:487:A:LEU:HA	1:493:A:LEU:HA	2	0.23	0.12	0.23
(1,142)	1:465:A:VAL:HG21	1:471:A:VAL:HB	2	0.22	0.08	0.22
(1,142)	1:465:A:VAL:HG22	1:471:A:VAL:HB	2	0.22	0.08	0.22
(1,142)	1:465:A:VAL:HG23	1:471:A:VAL:HB	2	0.22	0.08	0.22
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG11	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG12	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG13	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG11	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG12	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG13	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG11	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG12	2	0.21	0.02	0.21
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG13	2	0.21	0.02	0.21
(1,1045)	1:486:A:TRP:HE1	1:512:A:LEU:HB2	2	0.21	0.05	0.21
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB1	2	0.2	0.06	0.2
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB2	2	0.2	0.06	0.2
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB3	2	0.2	0.06	0.2
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG2	2	0.2	0.04	0.2
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG3	2	0.2	0.04	0.2
(1,1069)	1:487:A:LEU:HA	1:493:A:LEU:H	2	0.2	0.08	0.2
(1,1250)	1:505:A:LYS:HA	1:511:A:HIS:H	2	0.2	0.06	0.2
(1,1581)	1:454:A:VAL:H	1:532:A:GLY:H	2	0.2	0.09	0.2
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB2	2	0.2	0.02	0.2
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	2	0.2	0.02	0.2
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB2	2	0.2	0.02	0.2
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	2	0.2	0.02	0.2
(1,1004)	1:456:A:ILE:HD11	1:532:A:GLY:H	2	0.19	0.02	0.19
(1,1004)	1:456:A:ILE:HD12	1:532:A:GLY:H	2	0.19	0.02	0.19
(1,1004)	1:456:A:ILE:HD13	1:532:A:GLY:H	2	0.19	0.02	0.19
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG11	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG12	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG13	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG11	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG12	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG13	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG11	2	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG12	2	0.18	0.06	0.18
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG13	2	0.18	0.06	0.18
(1,1790)	1:504:A:LYS:H	1:512:A:LEU:HA	2	0.18	0.08	0.18
(1,1851)	1:488:A:LYS:H	1:526:A:ALA:H	2	0.18	0.01	0.18
(1,1057)	1:487:A:LEU:HB2	1:490:A:GLY:H	2	0.18	0.01	0.18
(1,1204)	1:502:A:ARG:HB2	1:503:A:PHE:H	2	0.18	0.01	0.18
(1,1204)	1:502:A:ARG:HB3	1:503:A:PHE:H	2	0.18	0.01	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD11	2	0.18	0.02	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD12	2	0.18	0.02	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD13	2	0.18	0.02	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD21	2	0.18	0.02	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD22	2	0.18	0.02	0.18
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD23	2	0.18	0.02	0.18
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD11	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD12	2	0.18	0.03	0.18
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD13	2	0.18	0.03	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD11	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD12	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD13	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD21	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD22	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD23	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD11	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD12	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD13	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD21	2	0.18	0.0	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD22	2	0.18	0.0	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD23	2	0.18	0.0	0.18
(1,149)	1:466:A:MET:HA	1:469:A:GLN:HB3	2	0.17	0.04	0.17
(1,1987)	1:460:A:LEU:HD11	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1987)	1:460:A:LEU:HD12	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1987)	1:460:A:LEU:HD13	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1987)	1:460:A:LEU:HD21	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1987)	1:460:A:LEU:HD22	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1987)	1:460:A:LEU:HD23	1:536:A:ALA:HA	2	0.17	0.07	0.17
(1,1118)	1:511:A:HIS:HB3	1:512:A:LEU:H	2	0.16	0.04	0.16
(1,1118)	1:511:A:HIS:HB2	1:512:A:LEU:H	2	0.16	0.04	0.16
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD21	2	0.16	0.04	0.16
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD22	2	0.16	0.04	0.16
(1,8)	1:457:A:THR:HA	1:477:A:VAL:HA	2	0.16	0.06	0.16
(1,359)	1:486:A:TRP:HA	1:527:A:LEU:HB2	2	0.16	0.04	0.16
(1,549)	1:464:A:LEU:HG	1:539:A:ILE:H	2	0.16	0.04	0.16
(1,771)	1:527:A:LEU:HD21	1:529:A:THR:HA	2	0.16	0.02	0.16
(1,771)	1:527:A:LEU:HD22	1:529:A:THR:HA	2	0.16	0.02	0.16
(1,771)	1:527:A:LEU:HD23	1:529:A:THR:HA	2	0.16	0.02	0.16
(1,39)	1:471:A:VAL:HG11	1:513:A:ILE:HA	2	0.16	0.04	0.16
(1,39)	1:471:A:VAL:HG12	1:513:A:ILE:HA	2	0.16	0.04	0.16
(1,39)	1:471:A:VAL:HG13	1:513:A:ILE:HA	2	0.16	0.04	0.16
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG2	2	0.16	0.01	0.16
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG3	2	0.16	0.01	0.16
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG2	2	0.16	0.01	0.16
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG3	2	0.16	0.01	0.16
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG2	2	0.16	0.01	0.16
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG3	2	0.16	0.01	0.16
(1,98)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	2	0.16	0.05	0.16
(1,98)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	2	0.16	0.05	0.16
(1,98)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	2	0.16	0.05	0.16
(1,1685)	1:480:A:GLU:H	1:508:A:GLN:HE21	2	0.16	0.01	0.16
(1,1732)	1:491:A:VAL:H	1:492:A:GLU:H	2	0.15	0.02	0.15
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG2	2	0.15	0.02	0.15
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG3	2	0.15	0.02	0.15
(1,334)	1:484:A:VAL:HG11	1:529:A:THR:HB	2	0.15	0.03	0.15
(1,334)	1:484:A:VAL:HG12	1:529:A:THR:HB	2	0.15	0.03	0.15
(1,334)	1:484:A:VAL:HG13	1:529:A:THR:HB	2	0.15	0.03	0.15
(1,832)	1:527:A:LEU:H	1:535:A:LEU:HA	2	0.15	0.03	0.15
(1,2267)	1:521:A:ASP:HB2	1:522:A:ALA:H	2	0.15	0.0	0.15
(1,2267)	1:521:A:ASP:HB3	1:522:A:ALA:H	2	0.15	0.0	0.15
(1,725)	1:522:A:ALA:HB1	1:538:A:LEU:HB2	2	0.14	0.03	0.14
(1,725)	1:522:A:ALA:HB2	1:538:A:LEU:HB2	2	0.14	0.03	0.14

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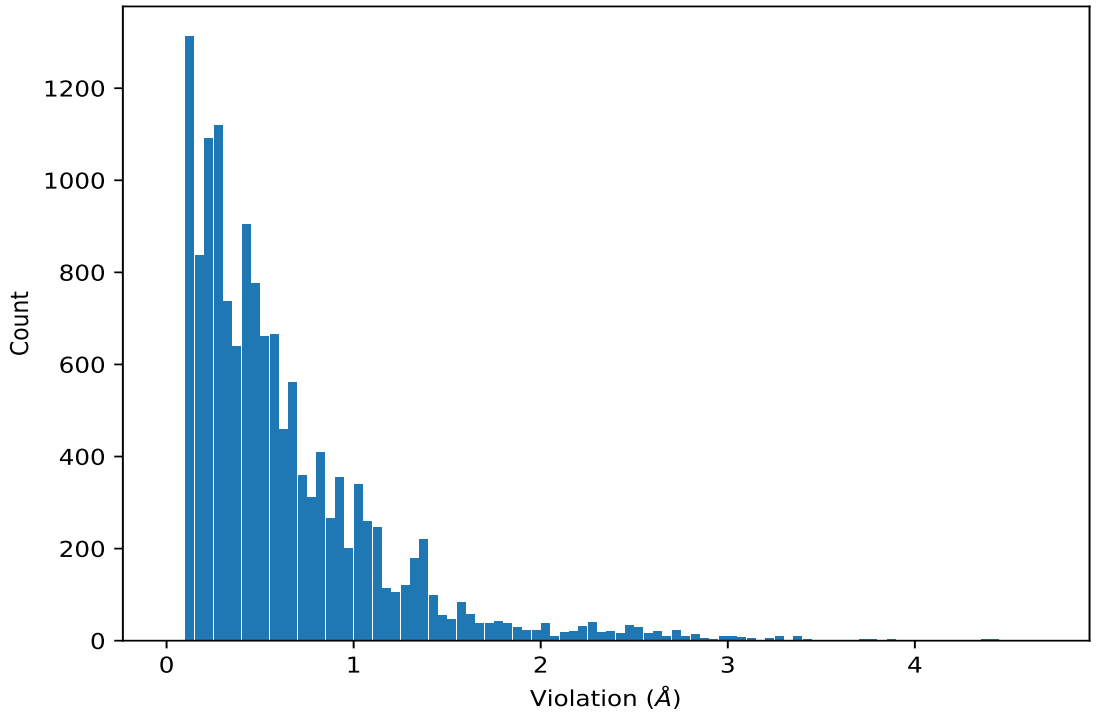
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,725)	1:522:A:ALA:HB3	1:538:A:LEU:HB2	2	0.14	0.03	0.14
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB2	2	0.14	0.03	0.14
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB3	2	0.14	0.03	0.14
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD2	2	0.14	0.01	0.14
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD3	2	0.14	0.01	0.14
(1,1715)	1:484:A:VAL:HB	1:485:A:LYS:H	2	0.14	0.0	0.14
(1,1256)	1:504:A:LYS:H	1:511:A:HIS:H	2	0.14	0.01	0.14
(1,269)	1:476:A:GLU:HB2	1:477:A:VAL:HA	2	0.13	0.0	0.13
(1,1570)	1:460:A:LEU:HB2	1:536:A:ALA:H	2	0.13	0.0	0.13
(1,1570)	1:460:A:LEU:HB3	1:536:A:ALA:H	2	0.13	0.0	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG11	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG12	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG13	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG21	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG22	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG23	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG11	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG12	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG13	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG21	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG22	2	0.12	0.01	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG23	2	0.12	0.01	0.12
(1,1695)	1:513:A:ILE:H	1:513:A:ILE:HB	2	0.12	0.02	0.12
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	2	0.12	0.02	0.12
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	2	0.12	0.02	0.12
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	2	0.12	0.02	0.12
(1,289)	1:477:A:VAL:HG21	1:481:A:GLY:HA2	2	0.11	0.0	0.11
(1,289)	1:477:A:VAL:HG22	1:481:A:GLY:HA2	2	0.11	0.0	0.11
(1,289)	1:477:A:VAL:HG23	1:481:A:GLY:HA2	2	0.11	0.0	0.11
(1,1437)	1:474:A:GLU:H	1:475:A:CYS:H	2	0.11	0.0	0.11

[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)
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	1	4.68
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	2	4.47
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	8	4.44
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	9	4.42
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	6	4.41
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	4	4.37
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	7	4.36
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	2	4.36
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	3	4.35
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	1	4.31
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	4	4.28
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	8	4.2
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	5	4.18
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	9	4.03
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	9	4.0
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	9	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	7	3.92
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	7	3.88
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	6	3.86
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	1	3.86
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	2	3.77
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	3	3.76
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	7	3.75
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	4	3.74
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	7	3.73
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	8	3.72
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	3	3.68
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	4	3.62
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	1	3.59
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	6	3.58
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	10	3.53
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	4	3.48
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	5	3.46
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	2	3.42
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	2	3.41
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	1	3.41
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	8	3.39
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	1	3.38
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	6	3.38
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	3	3.37
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	8	3.37
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	6	3.37
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	6	3.36
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	8	3.36
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	9	3.36
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	2	3.35
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	3	3.31
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	2	3.31
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	7	3.3
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	9	3.3
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	5	3.3
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	2	3.3
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	10	3.29
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	8	3.27
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	5	3.27
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	5	3.25
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	7	3.25
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	4	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	10	3.22
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	1	3.21
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	7	3.21
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	7	3.21
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	7	3.21
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	3	3.17
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	6	3.14
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	9	3.14
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	1	3.13
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	3	3.13
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	7	3.13
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	5	3.08
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	4	3.08
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	9	3.08
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	9	3.08
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	9	3.08
(1,566)	1:473:A:PHE:HD1	1:512:A:LEU:HA	4	3.07
(1,1577)	1:473:A:PHE:HE2	1:536:A:ALA:H	10	3.06
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	7	3.06
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	9	3.03
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	2	3.03
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	5	3.02
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	7	3.02
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	8	3.02
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	4	3.01
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	10	3.01
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	7	3.0
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	7	3.0
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	7	3.0
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	7	2.99
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	7	2.99
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	7	2.99
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	2	2.97
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	6	2.97
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	8	2.97
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	1	2.97
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	10	2.96
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	8	2.95
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	4	2.94
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	1	2.93
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	3	2.92
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	8	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	9	2.9
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	2	2.88
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	9	2.87
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	9	2.85
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	3	2.84
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	4	2.84
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	4	2.84
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	4	2.84
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	6	2.84
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	5	2.83
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	4	2.83
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	9	2.83
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	7	2.83
(1,1607)	1:461:A:GLU:H	1:473:A:PHE:HE2	7	2.82
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	9	2.82
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	2	2.82
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	5	2.81
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	5	2.81
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	5	2.81
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	7	2.8
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	7	2.8
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	7	2.8
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	8	2.79
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	5	2.79
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	8	2.78
(1,1429)	1:473:A:PHE:HE2	1:537:A:GLU:H	5	2.76
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	7	2.76
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	7	2.76
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	7	2.76
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	1	2.74
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	1	2.74
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	1	2.74
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	1	2.74
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	1	2.74
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	1	2.74
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	1	2.74
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	1	2.74
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	1	2.74
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	7	2.74
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	7	2.74
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	7	2.74
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	7	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	8	2.73
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	8	2.73
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	8	2.73
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	2	2.72
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	7	2.72
(1,1360)	1:463:A:GLN:H	1:473:A:PHE:HD2	2	2.71
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	6	2.7
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	1	2.7
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	1	2.7
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	1	2.7
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	3	2.69
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	3	2.69
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	3	2.69
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	3	2.69
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	3	2.69
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	3	2.69
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	2	2.69
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	2	2.69
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	2	2.69
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	8	2.68
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	4	2.65
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	3	2.64
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	4	2.63
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	4	2.63
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	4	2.63
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	8	2.63
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	8	2.63
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	8	2.63
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	2	2.62
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	4	2.62
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	2	2.61
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	9	2.61
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	9	2.61
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	9	2.61
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	10	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	1	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	1	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	1	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	7	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	7	2.6
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	7	2.6
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	7	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	7	2.59
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	7	2.59
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	7	2.59
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	7	2.59
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	7	2.59
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	2	2.59
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	9	2.59
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	9	2.59
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	9	2.59
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	9	2.59
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	9	2.58
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	5	2.57
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	8	2.57
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	9	2.57
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	9	2.57
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	9	2.57
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	3	2.54
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	3	2.54
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	3	2.54
(1,444)	1:498:A:THR:HA	1:499:A:PHE:HD2	8	2.54
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	8	2.53
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	2	2.53
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	2	2.53
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	2	2.53
(1,428)	1:495:A:ARG:HA	1:503:A:PHE:HE1	4	2.53
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	2	2.52
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	2	2.52
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	2	2.52
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	8	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	8	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	8	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	8	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	8	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	8	2.51
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	4	2.51
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	5	2.51
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	2	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	2	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	2	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	2	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	2	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	2	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	7	2.5
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	9	2.5
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	8	2.5
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	6	2.49
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	6	2.49
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	6	2.49
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	6	2.49
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	6	2.49
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	6	2.49
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	8	2.49
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	3	2.49
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	9	2.48
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	8	2.48
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	8	2.48
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	8	2.48
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	10	2.47
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	2	2.47
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	5	2.46
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	2	2.46
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	2	2.46
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	2	2.46
(1,80)	1:460:A:LEU:HA	1:473:A:PHE:HD2	5	2.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	1	2.45
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	1	2.45
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	1	2.45
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	1	2.45
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	1	2.45
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	1	2.45
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	6	2.45
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	4	2.45
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	5	2.45
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	5	2.45
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	5	2.45
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	4	2.45
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	4	2.45
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	4	2.45
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	9	2.44
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	9	2.44
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	1	2.43
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	10	2.43
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	10	2.43
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	2	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	2	2.43
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	2	2.43
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	8	2.43
(1,444)	1:498:A:THR:HA	1:499:A:PHE:HD2	4	2.43
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	4	2.41
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	6	2.41
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	6	2.41
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	6	2.41
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	4	2.41
(1,444)	1:498:A:THR:HA	1:499:A:PHE:HD2	10	2.41
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	1	2.4
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	9	2.39
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	9	2.39
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	9	2.39
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	10	2.39
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	10	2.39
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	10	2.39
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	6	2.39
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	1	2.39
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	1	2.39
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	1	2.39
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	2	2.37
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	2	2.37
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	2	2.37
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	1	2.37
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	4	2.36
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	3	2.36
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	10	2.35
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	1	2.35
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	1	2.35
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	1	2.35
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	3	2.34
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	3	2.34
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	3	2.34
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	3	2.33
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	4	2.33
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	6	2.33
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	6	2.33
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	6	2.33
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	10	2.32
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	6	2.32
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	3	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	3	2.32
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	3	2.32
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	4	2.32
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	4	2.32
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	4	2.32
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	5	2.32
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	5	2.31
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	5	2.31
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	10	2.3
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	10	2.3
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	10	2.3
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	10	2.3
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	10	2.3
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	10	2.3
(1,1434)	1:473:A:PHE:HD2	1:474:A:GLU:H	7	2.3
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	10	2.3
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	10	2.3
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	10	2.3
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	7	2.3
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	7	2.3
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	7	2.3
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	5	2.3
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	5	2.3
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	5	2.3
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	3	2.3
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	3	2.29
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	3	2.29
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	3	2.29
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	8	2.27
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	8	2.27
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	8	2.27
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	9	2.27
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	9	2.26
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	9	2.26
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	9	2.26
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	9	2.26
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	9	2.26
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	9	2.26
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	2	2.26
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	2	2.26
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	8	2.26
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	8	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	8	2.26
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	2	2.26
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	1	2.26
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	1	2.26
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	1	2.26
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	4	2.25
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	8	2.25
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	1	2.23
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	6	2.23
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	6	2.23
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	6	2.23
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	6	2.23
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	6	2.23
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	6	2.23
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	5	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	5	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	5	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	5	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	5	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	5	2.22
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	6	2.22
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	7	2.22
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	9	2.22
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	9	2.22
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	9	2.22
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	9	2.22
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	9	2.22
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	9	2.21
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	9	2.21
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	9	2.21
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	9	2.21
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	9	2.21
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	9	2.21
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	1	2.21
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	1	2.21
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	1	2.21
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	9	2.2
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	9	2.2
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	9	2.2
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	8	2.19
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	3	2.19
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	3	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	2	2.19
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	3	2.18
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	7	2.18
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	6	2.18
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	6	2.18
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	6	2.18
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	1	2.18
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	5	2.18
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	9	2.18
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	8	2.17
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	8	2.17
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	10	2.17
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	6	2.17
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	6	2.17
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD11	4	2.16
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD12	4	2.16
(1,627)	1:473:A:PHE:HE1	1:514:A:ILE:HD13	4	2.16
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	6	2.16
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	8	2.14
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	8	2.14
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	8	2.14
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	8	2.14
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	8	2.14
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	8	2.14
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	10	2.14
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	2	2.13
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	2	2.13
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	2	2.13
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD11	5	2.13
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD12	5	2.13
(1,625)	1:501:A:TYR:HD2	1:514:A:ILE:HD13	5	2.13
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	9	2.11
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	6	2.1
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	6	2.1
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	6	2.1
(1,613)	1:501:A:TYR:HD2	1:514:A:ILE:HA	7	2.1
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	7	2.08
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	8	2.06
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	8	2.06
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	8	2.06
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	7	2.06
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG2	9	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG3	9	2.06
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG2	9	2.06
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG3	9	2.06
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	5	2.05
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	9	2.04
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	7	2.04
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	7	2.04
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	3	2.04
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	7	2.03
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	7	2.03
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	7	2.03
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	7	2.03
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	7	2.03
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	7	2.03
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	5	2.03
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	8	2.03
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	3	2.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	3	2.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	3	2.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	3	2.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	3	2.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	3	2.02
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	1	2.02
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	1	2.02
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	4	2.02
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	4	2.02
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	1	2.02
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	1	2.02
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	1	2.02
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	2	2.01
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	2	2.01
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	2	2.01
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	3	2.0
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	3	2.0
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	3	2.0
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	4	2.0
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	4	2.0
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	4	2.0
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	8	2.0
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	10	2.0
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	10	2.0
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	10	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	10	1.99
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	5	1.99
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	5	1.99
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	3	1.99
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	3	1.99
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB1	1	1.98
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB2	1	1.98
(1,667)	1:473:A:PHE:HE1	1:517:A:ALA:HB3	1	1.98
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	9	1.98
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	9	1.98
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	9	1.98
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	9	1.98
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	2	1.97
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	2	1.97
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	2	1.97
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	2	1.97
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	10	1.97
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	2	1.96
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	2	1.96
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	8	1.96
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	4	1.96
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	3	1.96
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	6	1.95
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	6	1.95
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	8	1.94
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	9	1.94
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	8	1.93
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	8	1.93
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	8	1.92
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	4	1.92
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	4	1.92
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	4	1.92
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	1	1.92
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	1	1.92
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	8	1.92
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	8	1.92
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	6	1.91
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	6	1.91
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	6	1.91
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	6	1.91
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	6	1.91
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	6	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	7	1.91
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	4	1.91
(1,584)	1:473:A:PHE:HD1	1:512:A:LEU:HG	4	1.91
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	7	1.9
(1,1608)	1:461:A:GLU:H	1:473:A:PHE:HD2	4	1.9
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	6	1.9
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	2	1.9
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	8	1.9
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	8	1.9
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	8	1.9
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	7	1.88
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	1	1.88
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	5	1.88
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	5	1.88
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	5	1.88
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	4	1.88
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	5	1.87
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	5	1.87
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	5	1.87
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	10	1.87
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	9	1.86
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	9	1.86
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	6	1.85
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	6	1.85
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	6	1.85
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	6	1.85
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	6	1.85
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	6	1.85
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	4	1.85
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	5	1.85
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	5	1.85
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	5	1.85
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	5	1.85
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	1	1.84
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	2	1.84
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	2	1.83
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	2	1.83
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	2	1.83
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	2	1.83
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	2	1.83
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	2	1.83
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	7	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	7	1.83
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	7	1.83
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	9	1.83
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	9	1.83
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	9	1.83
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	10	1.82
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD11	10	1.82
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD12	10	1.82
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD13	10	1.82
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	2	1.82
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	2	1.82
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	2	1.82
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	8	1.81
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	7	1.81
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB1	10	1.8
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB2	10	1.8
(1,858)	1:473:A:PHE:HE2	1:536:A:ALA:HB3	10	1.8
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	6	1.8
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	6	1.8
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	6	1.8
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	2	1.8
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	2	1.8
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	2	1.8
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	8	1.8
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	8	1.8
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	8	1.8
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	3	1.8
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	3	1.8
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	3	1.79
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	10	1.79
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	8	1.79
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	8	1.79
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	8	1.79
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	8	1.79
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	8	1.79
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	8	1.79
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	1	1.79
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	1	1.79
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	1	1.79
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	8	1.79
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	2	1.78
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	2	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	5	1.78
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	7	1.78
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	3	1.78
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	3	1.78
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	3	1.78
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	2	1.78
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	2	1.78
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	2	1.77
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	3	1.77
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	7	1.77
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	7	1.77
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	7	1.77
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	10	1.77
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	10	1.77
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	2	1.77
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	5	1.76
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	6	1.76
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	6	1.76
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	6	1.76
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD11	4	1.75
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD12	4	1.75
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD13	4	1.75
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD21	4	1.75
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD22	4	1.75
(1,2069)	1:473:A:PHE:HE1	1:512:A:LEU:HD23	4	1.75
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	4	1.75
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	4	1.75
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	4	1.75
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	8	1.75
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	4	1.74
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	6	1.74
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	1	1.74
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	2	1.74
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	2	1.74
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	2	1.74
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	8	1.73
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	8	1.73
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	8	1.73
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	8	1.73
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	8	1.73
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	8	1.73
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	9	1.73
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	9	1.73
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	9	1.73
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	9	1.73
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	9	1.73
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD11	4	1.73
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD12	4	1.73
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD13	4	1.73
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	9	1.73
(1,980)	1:500:A:LYS:HB3	1:501:A:TYR:HE2	6	1.73
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	9	1.73
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	6	1.72
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	6	1.72
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	6	1.72
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	6	1.72
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	6	1.72
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	6	1.72
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	8	1.72
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	8	1.72
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	9	1.72
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	8	1.72
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	5	1.72
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	5	1.72
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	5	1.72
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	1	1.72
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	5	1.71
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	6	1.7
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	5	1.7
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	3	1.69
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	2	1.69
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	7	1.69
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	7	1.69
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	7	1.69
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	6	1.69
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	6	1.69
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	6	1.69
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	9	1.69
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	9	1.69
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	9	1.69
(1,1766)	1:499:A:PHE:H	1:499:A:PHE:HD2	10	1.68
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	10	1.68
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	9	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	1	1.67
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	4	1.67
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	7	1.67
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	9	1.67
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	6	1.67
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	7	1.67
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	7	1.67
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	7	1.67
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	8	1.67
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	8	1.67
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	1	1.66
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	1	1.66
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	1	1.66
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	1	1.66
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	1	1.66
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	1	1.66
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	6	1.66
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	6	1.66
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	5	1.66
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	5	1.66
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	5	1.66
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	4	1.65
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	1	1.65
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	1	1.65
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	1	1.65
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	4	1.65
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	4	1.65
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	4	1.65
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	10	1.64
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	10	1.64
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	10	1.64
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	10	1.64
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	10	1.64
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	10	1.64
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	1	1.64
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	3	1.64
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	3	1.64
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	3	1.64
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	6	1.64
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	6	1.64
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	6	1.64
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	6	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	1	1.63
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	5	1.63
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	4	1.63
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG2	9	1.63
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG3	9	1.63
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	8	1.62
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	8	1.62
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	9	1.62
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	4	1.62
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	9	1.61
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	8	1.61
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	8	1.61
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	8	1.6
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	8	1.6
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	8	1.6
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	8	1.6
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	8	1.6
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	8	1.6
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	3	1.6
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	3	1.6
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	3	1.6
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	4	1.6
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	3	1.6
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	3	1.6
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	3	1.6
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	2	1.6
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	2	1.6
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	2	1.6
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	2	1.6
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	2	1.6
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	2	1.6
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	8	1.6
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	8	1.6
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	8	1.6
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	2	1.6
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	2	1.6
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	9	1.59
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	10	1.59
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	8	1.59
(1,220)	1:471:A:VAL:HB	1:514:A:ILE:HG13	3	1.59
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	7	1.58
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	7	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	8	1.58
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	8	1.58
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	8	1.58
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	8	1.58
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	8	1.58
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	8	1.58
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	2	1.58
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	2	1.58
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	2	1.58
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	2	1.58
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	2	1.58
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	2	1.58
(1,1766)	1:499:A:PHE:H	1:499:A:PHE:HD2	8	1.58
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	3	1.58
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	6	1.58
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	6	1.58
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	6	1.58
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	6	1.58
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	10	1.57
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	3	1.57
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	5	1.57
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	7	1.57
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	7	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	1	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	1	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	1	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	3	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	3	1.57
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	3	1.57
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	8	1.57
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	8	1.57
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	8	1.57
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	8	1.57
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	8	1.57
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	8	1.57
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	7	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	7	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	7	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	7	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	7	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	7	1.56
(1,1748)	1:495:A:ARG:HD3	1:496:A:GLU:H	8	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	9	1.56
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	9	1.56
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	9	1.56
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	2	1.56
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	4	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	4	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	4	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	4	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	4	1.55
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	4	1.55
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	9	1.55
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	9	1.55
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	9	1.55
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	9	1.55
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	9	1.55
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	9	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	2	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	2	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	2	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	2	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	2	1.55
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	2	1.55
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	2	1.55
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	5	1.55
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	9	1.55
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	9	1.55
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	9	1.55
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	5	1.55
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD11	5	1.55
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD12	5	1.55
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD13	5	1.55
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD11	5	1.55
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD12	5	1.55
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD13	5	1.55
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD2	3	1.55
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD3	3	1.55
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	4	1.54
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	4	1.54
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	6	1.54
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	4	1.54
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	2	1.53
(1,1816)	1:471:A:VAL:HB	1:514:A:ILE:H	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	5	1.53
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	5	1.53
(1,1206)	1:503:A:PHE:H	1:503:A:PHE:HD1	7	1.53
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	9	1.53
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	9	1.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	9	1.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	9	1.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	9	1.53
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	9	1.53
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	9	1.53
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	9	1.53
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	7	1.53
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	1	1.52
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	2	1.52
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	2	1.52
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	4	1.52
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	4	1.52
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	4	1.52
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	4	1.52
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	4	1.52
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD2	4	1.51
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD3	4	1.51
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	8	1.51
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	1	1.51
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	1	1.51
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	1	1.51
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	1	1.51
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	1	1.51
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD2	3	1.5
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD3	3	1.5
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	6	1.5
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	2	1.5
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	1	1.5
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	1	1.5
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	3	1.5
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	3	1.5
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	3	1.5
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	8	1.5
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	8	1.5
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	8	1.5
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	4	1.49
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	6	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	3	1.49
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	2	1.49
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	2	1.49
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	2	1.49
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	5	1.49
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	5	1.49
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	5	1.49
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	5	1.49
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	9	1.48
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	9	1.48
(1,1294)	1:500:A:LYS:HE3	1:501:A:TYR:H	4	1.48
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	3	1.48
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	9	1.48
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	9	1.48
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	9	1.48
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	9	1.48
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	8	1.47
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	8	1.47
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	2	1.47
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	2	1.47
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	2	1.47
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	2	1.47
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	2	1.47
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	2	1.47
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	3	1.47
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	8	1.47
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	8	1.47
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	7	1.47
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	2	1.47
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	2	1.47
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	7	1.47
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	4	1.47
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	4	1.47
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	9	1.46
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	9	1.46
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	9	1.46
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	9	1.46
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	9	1.46
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	9	1.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	10	1.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	10	1.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	10	1.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	10	1.46
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	10	1.46
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	6	1.46
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	6	1.46
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	6	1.46
(1,1766)	1:499:A:PHE:H	1:499:A:PHE:HD2	4	1.46
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	10	1.46
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	10	1.46
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	10	1.46
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	5	1.46
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	9	1.45
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	9	1.45
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	9	1.45
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	9	1.45
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	9	1.45
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	9	1.45
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	8	1.45
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	8	1.45
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	8	1.45
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	8	1.45
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	8	1.45
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	8	1.45
(1,1916)	1:466:A:MET:HE1	1:541:A:GLN:HE22	6	1.45
(1,1916)	1:466:A:MET:HE2	1:541:A:GLN:HE22	6	1.45
(1,1916)	1:466:A:MET:HE3	1:541:A:GLN:HE22	6	1.45
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	8	1.45
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	8	1.45
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	9	1.45
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	9	1.45
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	9	1.45
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	9	1.45
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	2	1.44
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG21	1	1.44
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG22	1	1.44
(1,639)	1:501:A:TYR:HE2	1:514:A:ILE:HG23	1	1.44
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD2	5	1.44
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD3	5	1.44
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	6	1.44
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	6	1.44
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	6	1.44
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	8	1.44
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	8	1.44
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	4	1.43
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	4	1.43
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	4	1.43
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	4	1.43
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	4	1.43
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	4	1.43
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	10	1.43
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	10	1.43
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	4	1.43
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	7	1.43
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	10	1.43
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	10	1.43
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	10	1.43
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	10	1.43
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	10	1.43
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	10	1.43
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	10	1.43
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	10	1.43
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	10	1.43
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	4	1.43
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	4	1.43
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	1	1.43
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	1	1.43
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	1	1.43
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	4	1.43
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	4	1.43
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	5	1.43
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	5	1.43
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	5	1.43
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	9	1.43
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	9	1.43
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	9	1.43
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	9	1.42
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	9	1.42
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	5	1.42
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	5	1.42
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	5	1.42
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	5	1.42
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	5	1.41
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	5	1.41
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	5	1.41
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	5	1.41
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	5	1.41
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	7	1.41
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	7	1.41
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD11	5	1.41
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD12	5	1.41
(1,1652)	1:470:A:ARG:HE	1:513:A:ILE:HD13	5	1.41
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	4	1.41
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	4	1.41
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	4	1.41
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	10	1.41
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	5	1.41
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	5	1.41
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	5	1.41
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	7	1.41
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	7	1.41
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	7	1.41
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	7	1.41
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	7	1.41
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	8	1.41
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD11	4	1.41
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD12	4	1.41
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD13	4	1.41
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	3	1.4
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	3	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	3	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	3	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	3	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	3	1.4
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	3	1.4
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	6	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	6	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	6	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	6	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	6	1.4
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	6	1.4
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	6	1.4
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	6	1.4
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	8	1.4
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	8	1.4
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	8	1.4
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	8	1.4
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	8	1.4
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	8	1.4
(1,1919)	1:466:A:MET:HE1	1:541:A:GLN:HE21	6	1.4
(1,1919)	1:466:A:MET:HE2	1:541:A:GLN:HE21	6	1.4
(1,1919)	1:466:A:MET:HE3	1:541:A:GLN:HE21	6	1.4
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	9	1.4
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	9	1.4
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	9	1.4
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	9	1.4
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	5	1.4
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	7	1.4
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	8	1.4
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	8	1.4
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	8	1.4
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	8	1.4
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	8	1.4
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	8	1.4
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	6	1.4
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	6	1.4
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD11	10	1.4
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD12	10	1.4
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD13	10	1.4
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	6	1.39
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	6	1.39
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	4	1.39
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	4	1.39
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	4	1.39
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	4	1.39
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	4	1.39
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	4	1.39
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	4	1.39
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	4	1.39
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	8	1.39
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	10	1.39
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	9	1.39
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	9	1.39
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	1	1.39
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	1	1.39
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	1	1.39
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	1	1.39
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	1	1.39
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	1	1.39
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	9	1.39
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	9	1.39
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	9	1.39
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	9	1.39
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	9	1.39
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	9	1.39
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	1	1.39
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	1	1.39
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	3	1.39
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	3	1.39
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB1	10	1.39
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB2	10	1.39
(1,857)	1:473:A:PHE:HD2	1:536:A:ALA:HB3	10	1.39
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	8	1.39
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	8	1.39
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	8	1.39
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	5	1.39
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	5	1.39
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	5	1.39
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	7	1.39
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	4	1.39
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	4	1.39
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	4	1.39
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	4	1.39
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	4	1.39
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	4	1.39
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	4	1.39
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	4	1.39
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	4	1.39
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	9	1.38
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	9	1.38
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	9	1.38
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	9	1.38
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	9	1.38
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	9	1.38
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	6	1.38
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	6	1.38
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	6	1.38
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	6	1.38
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	6	1.38
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	6	1.38
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	2	1.38
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	2	1.38
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	2	1.38
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	10	1.38
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	9	1.38
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	10	1.38
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	6	1.38
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	8	1.38
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	8	1.38
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	2	1.38
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	2	1.38
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	2	1.38
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	6	1.38
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	6	1.38
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD11	4	1.38
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD12	4	1.38
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD13	4	1.38
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD11	4	1.38
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD12	4	1.38
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD13	4	1.38
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	7	1.38
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	5	1.38
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	5	1.38
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	5	1.38
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	3	1.37
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	3	1.37
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	6	1.37
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	8	1.37
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	6	1.37
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	6	1.37
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	6	1.37
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG21	9	1.37
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG22	9	1.37
(1,638)	1:501:A:TYR:HD2	1:514:A:ILE:HG23	9	1.37
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	6	1.37
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	8	1.37
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	8	1.37
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	4	1.37
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	4	1.37
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	4	1.37
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	7	1.36
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	7	1.36
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	7	1.36
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	7	1.36
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	7	1.36
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	7	1.36
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	8	1.36
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	6	1.36
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	1	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	1	1.36
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	1	1.36
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	7	1.36
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	7	1.36
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	7	1.36
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	5	1.35
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	5	1.35
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	5	1.35
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	5	1.35
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	5	1.35
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	5	1.35
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	5	1.35
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	1	1.35
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	4	1.35
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	4	1.35
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	4	1.35
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	3	1.35
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	9	1.35
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	3	1.35
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	3	1.35
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	9	1.35
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	9	1.35
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	10	1.35
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	10	1.35
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	10	1.35
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	7	1.35
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	7	1.35
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	7	1.35
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	7	1.35
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	7	1.35
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	8	1.34
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	8	1.34
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	8	1.34
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	8	1.34
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	8	1.34
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	8	1.34
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	8	1.34
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	8	1.34
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	8	1.34
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	8	1.34
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	8	1.34
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	1	1.34
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	1	1.34
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	1	1.34
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	1	1.34
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	1	1.34
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	1	1.34
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	9	1.34
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	9	1.34
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	9	1.34
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	9	1.34
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	9	1.34
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	9	1.34
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	5	1.34
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	5	1.34
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	5	1.34
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	5	1.34
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	5	1.34
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	5	1.34
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	10	1.34
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	10	1.34
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	5	1.34
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	5	1.34
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	8	1.34
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	5	1.34
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	5	1.34
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	5	1.34
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	9	1.34
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	9	1.34
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	2	1.33
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	2	1.33
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	10	1.33
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	7	1.33
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	3	1.33
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	6	1.33
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	6	1.33
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	6	1.33
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	8	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	8	1.33
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	8	1.33
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	7	1.33
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	10	1.33
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	9	1.33
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	1	1.33
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	1	1.33
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	3	1.33
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	3	1.33
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	3	1.33
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	3	1.33
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	3	1.33
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	3	1.33
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	3	1.33
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	3	1.33
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	3	1.33
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	3	1.33
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	8	1.33
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	8	1.33
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	9	1.33
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	7	1.33
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	7	1.33
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	7	1.33
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	7	1.33
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	7	1.33
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	3	1.33
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	3	1.33
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	3	1.33
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	10	1.33
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	10	1.33
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	10	1.33
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	5	1.32
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	5	1.32
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	5	1.32
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	5	1.32
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	5	1.32
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	5	1.32
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	4	1.32
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	4	1.32
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	8	1.32
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	8	1.32
(1,1391)	1:459:A:PRO:HB2	1:535:A:LEU:H	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:459:A:PRO:HB3	1:535:A:LEU:H	8	1.32
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	9	1.32
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	3	1.32
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	2	1.32
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	2	1.32
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	2	1.32
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	7	1.32
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	7	1.32
(1,205)	1:502:A:ARG:HD2	1:515:A:ASN:H	7	1.32
(1,205)	1:502:A:ARG:HD3	1:515:A:ASN:H	7	1.32
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	2	1.32
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	5	1.31
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	5	1.31
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	5	1.31
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	5	1.31
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	5	1.31
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	5	1.31
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	7	1.31
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	7	1.31
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	7	1.31
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	9	1.31
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	9	1.31
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	3	1.31
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	8	1.31
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	8	1.31
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	8	1.31
(1,422)	1:494:A:THR:HG21	1:495:A:ARG:HD3	9	1.31
(1,422)	1:494:A:THR:HG22	1:495:A:ARG:HD3	9	1.31
(1,422)	1:494:A:THR:HG23	1:495:A:ARG:HD3	9	1.31
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	1	1.31
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	2	1.31
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	2	1.31
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	4	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	4	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	4	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	4	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	4	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	4	1.3
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	4	1.3
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	4	1.3
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	4	1.3
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	4	1.3
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	4	1.3
(1,1624)	1:501:A:TYR:HD2	1:502:A:ARG:H	8	1.3
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	10	1.3
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	10	1.3
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	10	1.3
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	5	1.3
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	7	1.3
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	6	1.3
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	9	1.3
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	6	1.3
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	6	1.3
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	6	1.3
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	8	1.3
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	8	1.3
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	8	1.3
(1,788)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	7	1.3
(1,788)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	7	1.3
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	2	1.3
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	2	1.3
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	2	1.3
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	9	1.3
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	9	1.3
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	10	1.3
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	2	1.3
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	2	1.3
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	4	1.3
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	4	1.3
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD11	5	1.3
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD12	5	1.3
(1,211)	1:471:A:VAL:HA	1:513:A:ILE:HD13	5	1.3
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	8	1.3
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	8	1.3
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	8	1.3
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	6	1.3
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	6	1.3
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	6	1.3
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	6	1.3
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	6	1.3
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	6	1.3
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	6	1.3
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	6	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	6	1.3
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	4	1.3
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	3	1.3
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	3	1.3
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	3	1.3
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	3	1.29
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	3	1.29
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	3	1.29
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	3	1.29
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	3	1.29
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	3	1.29
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	3	1.29
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	8	1.29
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	8	1.29
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	8	1.29
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	8	1.29
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	8	1.29
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	8	1.29
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	10	1.29
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	10	1.29
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	5	1.29
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	5	1.29
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	6	1.29
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	6	1.29
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	1	1.29
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	8	1.29
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	6	1.29
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	6	1.29
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	6	1.29
(1,369)	1:486:A:TRP:HB2	1:503:A:PHE:HE2	9	1.29
(1,369)	1:486:A:TRP:HB3	1:503:A:PHE:HE2	9	1.29
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	4	1.28
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	4	1.28
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	4	1.28
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	10	1.28
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	10	1.28
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	10	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	3	1.28
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	5	1.28
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	10	1.28
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	10	1.28
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	10	1.28
(1,205)	1:502:A:ARG:HD2	1:515:A:ASN:H	6	1.28
(1,205)	1:502:A:ARG:HD3	1:515:A:ASN:H	6	1.28
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	9	1.28
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	2	1.28
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	2	1.28
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	2	1.28
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	8	1.27
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	8	1.27
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	9	1.27
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	9	1.27
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	9	1.27
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	9	1.27
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	9	1.27
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	9	1.27
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	9	1.27
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	9	1.27
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	5	1.27
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	5	1.27
(1,1919)	1:466:A:MET:HE1	1:541:A:GLN:HE21	3	1.27
(1,1919)	1:466:A:MET:HE2	1:541:A:GLN:HE21	3	1.27
(1,1919)	1:466:A:MET:HE3	1:541:A:GLN:HE21	3	1.27
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	4	1.27
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	1	1.27
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	4	1.27
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	8	1.27
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	5	1.27
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	9	1.27
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	10	1.27
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	8	1.27
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	5	1.27
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	5	1.27
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	5	1.27
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD11	2	1.26
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD12	2	1.26
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD13	2	1.26
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD21	2	1.26
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD22	2	1.26
(1,2215)	1:503:A:PHE:HE2	1:512:A:LEU:HD23	2	1.26
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	4	1.26
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	4	1.26
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	4	1.26
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	4	1.26
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	4	1.26
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	4	1.26
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	10	1.26
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	10	1.26
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	10	1.26
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	6	1.26
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	1	1.26
(1,981)	1:501:A:TYR:HA	1:501:A:TYR:HE2	9	1.26
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	9	1.26
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	9	1.26
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	9	1.26
(1,82)	1:502:A:ARG:HA	1:503:A:PHE:HD1	7	1.26
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	7	1.25
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	4	1.25
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	4	1.25
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	4	1.25
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	7	1.25
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	7	1.25
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	7	1.25
(1,321)	1:482:A:ALA:HB1	1:510:A:HIS:HE1	9	1.25
(1,321)	1:482:A:ALA:HB2	1:510:A:HIS:HE1	9	1.25
(1,321)	1:482:A:ALA:HB3	1:510:A:HIS:HE1	9	1.25
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	8	1.25
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	8	1.25
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	8	1.25
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	4	1.24
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	4	1.24
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	4	1.24
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	4	1.24
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	4	1.24
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	4	1.24
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	4	1.24
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	3	1.24
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	3	1.24
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	4	1.24
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	3	1.24
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	3	1.24
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	7	1.24
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	7	1.24
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	7	1.24
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	7	1.24
(1,227)	1:471:A:VAL:HG21	1:473:A:PHE:H	1	1.24
(1,227)	1:471:A:VAL:HG22	1:473:A:PHE:H	1	1.24
(1,227)	1:471:A:VAL:HG23	1:473:A:PHE:H	1	1.24
(1,1963)	1:460:A:LEU:HD11	1:473:A:PHE:HD2	3	1.23
(1,1963)	1:460:A:LEU:HD12	1:473:A:PHE:HD2	3	1.23
(1,1963)	1:460:A:LEU:HD13	1:473:A:PHE:HD2	3	1.23
(1,1963)	1:460:A:LEU:HD21	1:473:A:PHE:HD2	3	1.23
(1,1963)	1:460:A:LEU:HD22	1:473:A:PHE:HD2	3	1.23
(1,1963)	1:460:A:LEU:HD23	1:473:A:PHE:HD2	3	1.23
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	2	1.23
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	2	1.23
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE2	3	1.23
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE3	3	1.23
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	2	1.23
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	1	1.23
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	1	1.23
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	1	1.23
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	10	1.23
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	6	1.23
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	4	1.23
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	4	1.23
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	4	1.23
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	6	1.23
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	6	1.23
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	6	1.23
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	1	1.23
(1,227)	1:471:A:VAL:HG21	1:473:A:PHE:H	7	1.23
(1,227)	1:471:A:VAL:HG22	1:473:A:PHE:H	7	1.23
(1,227)	1:471:A:VAL:HG23	1:473:A:PHE:H	7	1.23
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	7	1.22
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	7	1.22
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	7	1.22
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	7	1.22
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	7	1.22
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	7	1.22
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	1	1.22
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	1	1.22
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	1	1.22
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	1	1.22
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	1	1.22
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	1	1.22
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	7	1.22
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	7	1.22
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	7	1.22
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	7	1.22
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	7	1.22
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	1	1.22
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	6	1.22
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	6	1.22
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	6	1.22
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	4	1.22
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	4	1.22
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	4	1.22
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	9	1.22
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	9	1.22
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	9	1.22
(1,452)	1:498:A:THR:HB	1:501:A:TYR:HD1	9	1.22
(1,422)	1:494:A:THR:HG21	1:495:A:ARG:HD3	8	1.22
(1,422)	1:494:A:THR:HG22	1:495:A:ARG:HD3	8	1.22
(1,422)	1:494:A:THR:HG23	1:495:A:ARG:HD3	8	1.22
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	2	1.22
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	10	1.22
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	10	1.22
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	10	1.22
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	6	1.21
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	6	1.21
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	10	1.21
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	10	1.21
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	10	1.21
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	10	1.21
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	10	1.21
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	10	1.21
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	7	1.21
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	6	1.21
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	3	1.21
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	1	1.21
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	4	1.21
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	4	1.21
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	4	1.21
(1,878)	1:464:A:LEU:HA	1:539:A:ILE:HB	8	1.21
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	9	1.21
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	1	1.2
(1,1618)	1:461:A:GLU:HG2	1:462:A:ASP:H	4	1.2
(1,1618)	1:461:A:GLU:HG3	1:462:A:ASP:H	4	1.2
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	1	1.2
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	10	1.2
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	10	1.2
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	10	1.2
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	8	1.2
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	2	1.19
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	2	1.19
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	7	1.19
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	7	1.19
(1,2229)	1:506:A:ASP:HB2	1:509:A:ARG:H	10	1.19
(1,2229)	1:506:A:ASP:HB3	1:509:A:ARG:H	10	1.19
(1,2111)	1:485:A:LYS:HE2	1:492:A:GLU:HB2	5	1.19
(1,2111)	1:485:A:LYS:HE2	1:492:A:GLU:HB3	5	1.19
(1,2111)	1:485:A:LYS:HE3	1:492:A:GLU:HB2	5	1.19
(1,2111)	1:485:A:LYS:HE3	1:492:A:GLU:HB3	5	1.19
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	5	1.19
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	5	1.19
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	5	1.19
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	4	1.19
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	4	1.19
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	2	1.19
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	2	1.19
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	2	1.19
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	2	1.19
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	2	1.19
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	2	1.19
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	5	1.19
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	5	1.19
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	5	1.19
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	4	1.19
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	4	1.19
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	4	1.19
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD11	7	1.19
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD12	7	1.19
(1,598)	1:511:A:HIS:HB2	1:513:A:ILE:HD13	7	1.19
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	8	1.19
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	6	1.19
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	6	1.19
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	6	1.19
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	7	1.19
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	4	1.18
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	4	1.18
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	7	1.18
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	7	1.18
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	7	1.18
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	7	1.18
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	7	1.18
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	7	1.18
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	8	1.18
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	8	1.18
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE2	8	1.18
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE3	8	1.18
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	6	1.18
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	7	1.18
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	2	1.18
(1,1062)	1:492:A:GLU:HG2	1:493:A:LEU:H	5	1.18
(1,1062)	1:492:A:GLU:HG3	1:493:A:LEU:H	5	1.18
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	4	1.18
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	6	1.18
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	6	1.18
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	7	1.18
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	7	1.18
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	7	1.18
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	5	1.18
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	1	1.18
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	2	1.18
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	10	1.18
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	10	1.18
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	10	1.18
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	10	1.18
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	10	1.18
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	10	1.18
(1,2220)	1:504:A:LYS:HG2	1:511:A:HIS:HD2	8	1.17
(1,2220)	1:504:A:LYS:HG3	1:511:A:HIS:HD2	8	1.17
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	3	1.17
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	3	1.17
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	6	1.17
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	6	1.17
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD11	9	1.17
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD12	9	1.17
(1,952)	1:473:A:PHE:HD1	1:514:A:ILE:HD13	9	1.17
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	3	1.17
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	3	1.17
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	5	1.17
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	8	1.17
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	8	1.17
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	8	1.17
(1,601)	1:513:A:ILE:HG13	1:514:A:ILE:HA	4	1.17
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	2	1.17
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	6	1.17
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	4	1.17
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	4	1.17
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	4	1.17
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	4	1.17
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	4	1.17
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	4	1.17
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	6	1.16
(1,1639)	1:468:A:GLY:H	1:518:A:MET:HG2	6	1.16
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	8	1.16
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	9	1.16
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	4	1.16
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	4	1.16
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	4	1.16
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	9	1.16
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	9	1.16
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	2	1.16
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	2	1.16
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	1	1.15
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	1	1.15
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	1	1.15
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	1	1.15
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	1	1.15
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	1	1.15
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	9	1.15
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	9	1.15
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	9	1.15
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	9	1.15
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	9	1.15
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	9	1.15
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	5	1.15
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	7	1.15
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	7	1.15
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	2	1.15
(1,1282)	1:494:A:THR:H	1:495:A:ARG:HD3	8	1.15
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	3	1.15
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	3	1.15
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	3	1.15
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	3	1.15
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	3	1.15
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	3	1.15
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	3	1.15
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	3	1.15
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	3	1.15
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	7	1.15
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	2	1.15
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	2	1.15
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	2	1.15
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	8	1.15
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	8	1.15
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	8	1.15
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	9	1.15
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	9	1.15
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	6	1.14
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	6	1.14
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	10	1.14
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	10	1.14
(1,2182)	1:493:A:LEU:HD11	1:503:A:PHE:HE2	7	1.14
(1,2182)	1:493:A:LEU:HD12	1:503:A:PHE:HE2	7	1.14
(1,2182)	1:493:A:LEU:HD13	1:503:A:PHE:HE2	7	1.14
(1,2182)	1:493:A:LEU:HD21	1:503:A:PHE:HE2	7	1.14
(1,2182)	1:493:A:LEU:HD22	1:503:A:PHE:HE2	7	1.14
(1,2182)	1:493:A:LEU:HD23	1:503:A:PHE:HE2	7	1.14
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	8	1.14
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	8	1.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	5	1.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	5	1.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	5	1.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	5	1.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	5	1.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	5	1.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	5	1.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	5	1.14
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	9	1.14
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	4	1.14
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	6	1.14
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	6	1.14
(1,1488)	1:461:A:GLU:HG2	1:463:A:GLN:HE21	10	1.14
(1,1488)	1:461:A:GLU:HG3	1:463:A:GLN:HE21	10	1.14
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	4	1.14
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	8	1.14
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	7	1.14
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	4	1.14
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD11	4	1.14
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD12	4	1.14
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD13	4	1.14
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	7	1.14
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	7	1.14
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	5	1.14
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	5	1.14
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	5	1.14
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	5	1.14
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	9	1.14
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	1	1.14
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	1	1.14
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	1	1.14
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	1	1.13
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	1	1.13
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	3	1.13
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	3	1.13
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	4	1.13
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	4	1.13
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	4	1.13
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	8	1.13
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	8	1.13
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	8	1.13
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	7	1.13
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	4	1.13
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE1	7	1.13
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE2	7	1.13
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE3	7	1.13
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	1	1.13
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	1	1.13
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	1	1.13
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	8	1.13
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	8	1.13
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	8	1.13
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	3	1.13
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	3	1.13
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	4	1.12
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	4	1.12
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	4	1.12
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	4	1.12
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	4	1.12
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	8	1.12
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	8	1.12
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	8	1.12
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	8	1.12
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	8	1.12
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	8	1.12
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	8	1.12
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	10	1.12
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	10	1.12
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	10	1.12
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	10	1.12
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	10	1.12
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	10	1.12
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	10	1.12
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	1	1.12
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	9	1.12
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	9	1.12
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	6	1.12
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	8	1.12
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	2	1.12
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	4	1.12
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	8	1.12
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	8	1.12
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	8	1.12
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	3	1.12
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	3	1.12
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	3	1.12
(1,601)	1:513:A:ILE:HG13	1:514:A:ILE:HA	5	1.12
(1,601)	1:513:A:ILE:HG13	1:514:A:ILE:HA	10	1.12
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	8	1.12
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	8	1.12
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	8	1.12
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	10	1.11
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	10	1.11
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	7	1.11
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	7	1.11
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	7	1.11
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	7	1.11
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	7	1.11
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	2	1.11
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	2	1.11
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB3	5	1.11
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB3	5	1.11
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB3	5	1.11
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB3	5	1.11
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB3	5	1.11
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB2	5	1.11
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB3	5	1.11
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	10	1.11
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	10	1.11
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	10	1.11
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	10	1.11
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	10	1.11
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	10	1.11
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	2	1.11
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	2	1.11
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	2	1.11
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	2	1.11
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	2	1.11
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	2	1.11
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	2	1.11
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	2	1.11
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	2	1.11
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	3	1.11
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	3	1.11
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	3	1.11
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	1	1.11
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	1	1.11
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	5	1.11
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	6	1.11
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	6	1.11
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	6	1.11
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	10	1.11
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	10	1.11
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	8	1.11
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	8	1.11
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	8	1.11
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	2	1.11
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	2	1.11
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	2	1.11
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	7	1.11
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	7	1.11
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	7	1.1
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	7	1.1
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	1	1.1
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	6	1.1
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	3	1.1
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	4	1.1
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	4	1.1
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	4	1.1
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	5	1.1
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	10	1.1
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	2	1.1
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	7	1.1
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	7	1.1
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	5	1.1
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	8	1.1
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	8	1.1
(1,747)	1:460:A:LEU:HG	1:526:A:ALA:HA	8	1.1
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	5	1.1
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	5	1.1
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	5	1.1
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	9	1.1
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	9	1.1
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	9	1.1
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	9	1.1
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	9	1.1
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	9	1.1
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	4	1.1
(1,466)	1:500:A:LYS:HB3	1:501:A:TYR:HD2	6	1.1
(1,466)	1:500:A:LYS:HB2	1:501:A:TYR:HD2	6	1.1
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	6	1.1
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	1	1.1
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:470:A:ARG:HB2	1:513:A:ILE:HG13	10	1.1
(1,197)	1:470:A:ARG:HB3	1:513:A:ILE:HG13	10	1.1
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	4	1.09
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	4	1.09
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	10	1.09
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	10	1.09
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	6	1.09
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	3	1.09
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	6	1.09
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	2	1.09
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	2	1.09
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	8	1.09
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	2	1.09
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	9	1.09
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	10	1.09
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	9	1.09
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	9	1.09
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	9	1.09
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	2	1.09
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	2	1.09
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	10	1.09
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	4	1.09
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	4	1.09
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	7	1.09
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	7	1.09
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	7	1.09
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	7	1.09
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	7	1.09
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	7	1.09
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	9	1.09
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	9	1.09
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	9	1.09
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	9	1.09
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	9	1.09
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	9	1.09
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	9	1.09
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	9	1.09
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	9	1.09
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	3	1.09
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	3	1.09
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	3	1.09
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	3	1.09
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	3	1.09
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	3	1.09
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	3	1.09
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	3	1.09
(1,70)	1:456:A:ILE:H	1:457:A:THR:HG21	7	1.09
(1,70)	1:456:A:ILE:H	1:457:A:THR:HG22	7	1.09
(1,70)	1:456:A:ILE:H	1:457:A:THR:HG23	7	1.09
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	4	1.08
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	4	1.08
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	5	1.08
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	5	1.08
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	4	1.08
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	10	1.08
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	8	1.08
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	2	1.08
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	9	1.08
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	3	1.08
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	4	1.08
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	7	1.08
(1,979)	1:498:A:THR:HG21	1:501:A:TYR:HE1	5	1.08
(1,979)	1:498:A:THR:HG22	1:501:A:TYR:HE1	5	1.08
(1,979)	1:498:A:THR:HG23	1:501:A:TYR:HE1	5	1.08
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	6	1.08
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	6	1.08
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	6	1.08
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	9	1.08
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	9	1.08
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	9	1.08
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	7	1.08
(1,563)	1:472:A:GLU:HG2	1:511:A:HIS:HB3	1	1.08
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	6	1.08
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	10	1.08
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	4	1.08
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	7	1.08
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	8	1.08
(1,177)	1:467:A:VAL:HG21	1:519:A:LEU:H	7	1.08
(1,177)	1:467:A:VAL:HG22	1:519:A:LEU:H	7	1.08
(1,177)	1:467:A:VAL:HG23	1:519:A:LEU:H	7	1.08
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG2	3	1.07
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG3	3	1.07
(1,2220)	1:504:A:LYS:HG2	1:511:A:HIS:HD2	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:504:A:LYS:HG3	1:511:A:HIS:HD2	1	1.07
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	7	1.07
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	7	1.07
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	5	1.07
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	5	1.07
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	5	1.07
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	5	1.07
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	5	1.07
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	5	1.07
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	3	1.07
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	3	1.07
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	3	1.07
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	3	1.07
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	3	1.07
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	3	1.07
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	7	1.07
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	7	1.07
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	7	1.07
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	7	1.07
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	7	1.07
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	7	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	3	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	3	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	3	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	3	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	3	1.07
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	3	1.07
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	3	1.07
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	5	1.07
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	2	1.07
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	10	1.07
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	4	1.07
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	4	1.07
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	10	1.07
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	7	1.07
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	5	1.07
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	10	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	6	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	6	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	6	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	10	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	10	1.07
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	10	1.07
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	6	1.07
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	6	1.07
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	6	1.07
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	1	1.07
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	1	1.07
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	1	1.07
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	1	1.07
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	7	1.07
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	2	1.07
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	2	1.07
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	6	1.06
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	6	1.06
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	6	1.06
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	6	1.06
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	6	1.06
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	6	1.06
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	10	1.06
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	10	1.06
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	10	1.06
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	10	1.06
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	10	1.06
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	10	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	6	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	6	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	6	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	6	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	6	1.06
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	6	1.06
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	6	1.06
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	5	1.06
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	5	1.06
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	5	1.06
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	5	1.06
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	5	1.06
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB3	2	1.06
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB3	2	1.06
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB3	2	1.06
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB3	2	1.06
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB3	2	1.06
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB2	2	1.06
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB3	2	1.06
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	7	1.06
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	3	1.06
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	5	1.06
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	4	1.06
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	5	1.06
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	5	1.06
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	2	1.06
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	5	1.06
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	9	1.06
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	1	1.06
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	2	1.06
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	10	1.06
(1,1246)	1:503:A:PHE:HB3	1:511:A:HIS:H	8	1.06
(1,957)	1:463:A:GLN:HE22	1:473:A:PHE:HD2	7	1.06
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	4	1.06
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	7	1.06
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	7	1.06
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	5	1.06
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	5	1.06
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	5	1.06
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	3	1.06
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	2	1.06
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	2	1.06
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	2	1.06
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	2	1.06
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	2	1.06
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	2	1.06
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	2	1.06
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	2	1.06
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	5	1.05
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	5	1.05
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	5	1.05
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	5	1.05
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	5	1.05
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	5	1.05
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	6	1.05
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	6	1.05
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	6	1.05
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	6	1.05
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	6	1.05
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	6	1.05
(1,1916)	1:466:A:MET:HE1	1:541:A:GLN:HE22	3	1.05
(1,1916)	1:466:A:MET:HE2	1:541:A:GLN:HE22	3	1.05
(1,1916)	1:466:A:MET:HE3	1:541:A:GLN:HE22	3	1.05
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	4	1.05
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	4	1.05
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	2	1.05
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	6	1.05
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	10	1.05
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	4	1.05
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	8	1.05
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	2	1.05
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	2	1.05
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	2	1.05
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	8	1.05
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	5	1.05
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	1	1.05
(1,977)	1:500:A:LYS:HD2	1:501:A:TYR:HE1	10	1.05
(1,977)	1:500:A:LYS:HD3	1:501:A:TYR:HE1	10	1.05
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	6	1.05
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	6	1.05
(1,953)	1:471:A:VAL:HB	1:473:A:PHE:HD1	1	1.05
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	8	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	4	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	4	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	5	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	5	1.05
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	5	1.05
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	8	1.05
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	8	1.05
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	8	1.05
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	2	1.05
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	4	1.05
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	4	1.05
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	4	1.05
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	9	1.04
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	9	1.04
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	9	1.04
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	9	1.04
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	9	1.04
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	9	1.04
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	8	1.04
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	8	1.04
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	8	1.04
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	8	1.04
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	8	1.04
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	1	1.04
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	1	1.04
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	5	1.04
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	5	1.04
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	5	1.04
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	7	1.04
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	2	1.04
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	2	1.04
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	6	1.04
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	6	1.04
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	1	1.04
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	6	1.04
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	6	1.04
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	1	1.04
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	4	1.04
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	4	1.04
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	4	1.04
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	10	1.04
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	7	1.04
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	1	1.04
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	1	1.04
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	10	1.04
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	10	1.04
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	10	1.04
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	10	1.04
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	10	1.04
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	10	1.04
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	10	1.04
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	10	1.04
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	10	1.04
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	2	1.04
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	6	1.04
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	8	1.04
(1,788)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	3	1.04
(1,788)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	3	1.04
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	7	1.04
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	7	1.04
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	7	1.04
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	2	1.04
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	2	1.04
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	2	1.04
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD11	5	1.04
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD12	5	1.04
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD13	5	1.04
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	8	1.04
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	4	1.04
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	4	1.04
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	4	1.04
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	4	1.04
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	4	1.04
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	4	1.04
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	5	1.04
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	5	1.04
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	5	1.04
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD11	1	1.03
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD12	1	1.03
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD13	1	1.03
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD21	1	1.03
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD22	1	1.03
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD23	1	1.03
(1,1653)	1:470:A:ARG:HE	1:513:A:ILE:HG13	9	1.03
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	2	1.03
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	2	1.03
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	2	1.03
(1,1313)	1:502:A:ARG:HB2	1:515:A:ASN:HD21	3	1.03
(1,1313)	1:502:A:ARG:HB3	1:515:A:ASN:HD21	3	1.03
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	3	1.03
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	1	1.03
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	7	1.03
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	7	1.03
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	7	1.03
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	10	1.03
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	3	1.03
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	3	1.03
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	1	1.03
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	8	1.03
(1,1049)	1:486:A:TRP:HE1	1:511:A:HIS:H	9	1.03
(1,990)	1:477:A:VAL:HG21	1:510:A:HIS:HE1	9	1.03
(1,990)	1:477:A:VAL:HG22	1:510:A:HIS:HE1	9	1.03
(1,990)	1:477:A:VAL:HG23	1:510:A:HIS:HE1	9	1.03
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	3	1.03
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	3	1.03
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	9	1.03
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	9	1.03
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	9	1.03
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	9	1.03
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	9	1.03
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	9	1.03
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	9	1.03
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	9	1.03
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	9	1.03
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	2	1.03
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	7	1.03
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	4	1.03
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	4	1.03
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	4	1.03
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	9	1.03
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	9	1.03
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	9	1.03
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	9	1.03
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	9	1.03
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	9	1.03
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	4	1.03
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	10	1.03
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	10	1.03
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	10	1.03
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	10	1.03
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	4	1.03
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	4	1.03
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	6	1.03
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	10	1.03
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	10	1.03
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	10	1.03
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	10	1.03
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	10	1.03
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	10	1.03
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	5	1.03
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	4	1.03
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	4	1.03
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	6	1.03
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	6	1.03
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	7	1.03
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	7	1.03
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	7	1.03
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	7	1.03
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	7	1.03
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	7	1.03
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	7	1.03
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	7	1.03
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	7	1.03
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	2	1.02
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	9	1.02
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	6	1.02
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	6	1.02
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	7	1.02
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	8	1.02
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	3	1.02
(1,1653)	1:470:A:ARG:HE	1:513:A:ILE:HG13	7	1.02
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB2	1	1.02
(1,1591)	1:483:A:GLN:H	1:530:A:SER:HB3	1	1.02
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	6	1.02
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	1	1.02
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	7	1.02
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	2	1.02
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	4	1.02
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	4	1.02
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	3	1.02
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	5	1.02
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	5	1.02
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	5	1.02
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	1	1.02
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	1	1.02
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	1	1.02
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	4	1.02
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	4	1.02
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	4	1.02
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	5	1.02
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	5	1.02
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	5	1.02
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	7	1.02
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	3	1.02
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	4	1.02
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	7	1.02
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	10	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	6	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	6	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	6	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	6	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	6	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	6	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	6	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	6	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	6	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	7	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	7	1.02
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	7	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	7	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	7	1.02
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	7	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	7	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	7	1.02
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	7	1.02
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	1	1.02
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	4	1.02
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	10	1.02
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	10	1.02
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	7	1.02
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	7	1.02
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD11	7	1.01
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD12	7	1.01
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD13	7	1.01
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD21	7	1.01
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD22	7	1.01
(1,2067)	1:473:A:PHE:HD1	1:512:A:LEU:HD23	7	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	5	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	5	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	5	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	5	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	5	1.01
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	5	1.01
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	6	1.01
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	2	1.01
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	6	1.01
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	6	1.01
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	8	1.01
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	6	1.01
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	6	1.01
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	6	1.01
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	10	1.01
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	10	1.01
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	1	1.01
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	9	1.01
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	7	1.01
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	6	1.01
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	8	1.01
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	10	1.01
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	10	1.01
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	10	1.01
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	8	1.01
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	8	1.01
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	8	1.01
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	10	1.01
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	10	1.01
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	10	1.01
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	8	1.01
(1,1198)	1:487:A:LEU:H	1:503:A:PHE:HE2	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG12	5	1.01
(1,976)	1:501:A:TYR:HD2	1:514:A:ILE:HG13	5	1.01
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	2	1.01
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	2	1.01
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	2	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	2	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	2	1.01
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	2	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	2	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	2	1.01
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	2	1.01
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	6	1.01
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	6	1.01
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	2	1.01
(1,683)	1:514:A:ILE:HG21	1:518:A:MET:HG2	7	1.01
(1,683)	1:514:A:ILE:HG22	1:518:A:MET:HG2	7	1.01
(1,683)	1:514:A:ILE:HG23	1:518:A:MET:HG2	7	1.01
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	6	1.01
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	6	1.01
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	6	1.01
(1,563)	1:472:A:GLU:HG2	1:511:A:HIS:HB3	10	1.01
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	1	1.01
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	7	1.01
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	1	1.01
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	6	1.01
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	6	1.01
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	6	1.01
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	4	1.0
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	4	1.0
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	4	1.0
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	4	1.0
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	4	1.0
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	4	1.0
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	8	1.0
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	8	1.0
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	2	1.0
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	2	1.0
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	2	1.0
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	2	1.0
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	2	1.0
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	2	1.0
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	6	1.0
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	4	1.0
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	4	1.0
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	4	1.0
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	4	1.0
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	7	1.0
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	2	1.0
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	7	1.0
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	7	1.0
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	5	1.0
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	5	1.0
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	5	1.0
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	1	1.0
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	6	1.0
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	9	1.0
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	6	1.0
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	6	1.0
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	6	1.0
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	6	1.0
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	6	1.0
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	6	1.0
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	6	1.0
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	6	1.0
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	6	1.0
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	6	1.0
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	6	1.0
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	6	1.0
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	6	1.0
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	6	1.0
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	6	1.0
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	10	1.0
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	10	1.0
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	3	1.0
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	3	1.0
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	3	1.0
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	3	1.0
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	3	1.0
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	3	1.0
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	3	1.0
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	3	1.0
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	3	1.0
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	9	1.0
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	9	1.0
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	3	1.0
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	3	1.0
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	3	1.0
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	6	1.0
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	6	1.0
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	6	1.0
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	9	1.0
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	9	1.0
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	9	1.0
(1,533)	1:480:A:GLU:HG2	1:507:A:GLY:HA2	8	1.0
(1,533)	1:480:A:GLU:HG3	1:507:A:GLY:HA2	8	1.0
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	5	1.0
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	9	1.0
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	5	0.99
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	5	0.99
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	8	0.99
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	8	0.99
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	8	0.99
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	8	0.99
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	8	0.99
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	8	0.99
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	3	0.99
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	3	0.99
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	3	0.99
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	3	0.99
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	3	0.99
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	3	0.99
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	7	0.99
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	7	0.99
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	7	0.99
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	7	0.99
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	7	0.99
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	7	0.99
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	2	0.99
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	7	0.99
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	7	0.99
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	4	0.99
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	4	0.99
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	7	0.99
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	2	0.99
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	5	0.99
(1,1426)	1:462:A:ASP:HB3	1:537:A:GLU:H	1	0.99
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	5	0.99
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	3	0.99
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	3	0.99
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	3	0.99
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	5	0.99
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	5	0.99
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	5	0.99
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	6	0.99
(1,1205)	1:502:A:ARG:HG2	1:503:A:PHE:H	6	0.99
(1,1205)	1:502:A:ARG:HG3	1:503:A:PHE:H	6	0.99
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	10	0.99
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	10	0.99
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	8	0.99
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	8	0.99
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	8	0.99
(1,1085)	1:473:A:PHE:HZ	1:525:A:TYR:H	7	0.99
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	10	0.99
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	10	0.99
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	10	0.99
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	2	0.99
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	2	0.99
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	2	0.99
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	2	0.99
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	2	0.99
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	2	0.99
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	8	0.99
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	7	0.99
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	3	0.99
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	3	0.99
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	3	0.99
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	9	0.98
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	9	0.98
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	9	0.98
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	2	0.98
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	10	0.98
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	2	0.98
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	2	0.98
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	8	0.98
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	8	0.98
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	8	0.98
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	8	0.98
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	10	0.98
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	10	0.98
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	10	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	8	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	8	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	8	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	9	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	9	0.98
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	9	0.98
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	1	0.98
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	10	0.98
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	10	0.98
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	10	0.98
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	9	0.98
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	6	0.98
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	6	0.98
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	4	0.98
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	4	0.98
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	2	0.98
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	2	0.98
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	2	0.98
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	10	0.98
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	10	0.98
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	10	0.98
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	2	0.98
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	2	0.98
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	2	0.98
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD11	10	0.98
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD12	10	0.98
(1,589)	1:472:A:GLU:H	1:513:A:ILE:HD13	10	0.98
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	4	0.98
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	4	0.98
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	4	0.98
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	9	0.98
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	9	0.98
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	2	0.98
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	2	0.98
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	2	0.98
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	4	0.97
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	4	0.97
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	4	0.97
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	4	0.97
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	4	0.97
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	9	0.97
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	9	0.97
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	7	0.97
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	8	0.97
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	8	0.97
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	7	0.97
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	7	0.97
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	7	0.97
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	6	0.97
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	7	0.97
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	5	0.97
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	3	0.97
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	10	0.97
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	3	0.97
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	3	0.97
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	3	0.97
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	8	0.97
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	8	0.97
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	8	0.97
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	9	0.97
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	10	0.97
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	10	0.97
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	10	0.97
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	7	0.97
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	7	0.97
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	7	0.97
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	5	0.97
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	5	0.97
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	5	0.97
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	10	0.97
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	10	0.97
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	10	0.97
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	3	0.96
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	3	0.96
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	3	0.96
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	3	0.96
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	3	0.96
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	1	0.96
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	1	0.96
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	8	0.96
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	10	0.96
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	4	0.96
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	3	0.96
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	8	0.96
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	10	0.96
(1,1282)	1:494:A:THR:H	1:495:A:ARG:HD3	9	0.96
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	1	0.96
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	7	0.96
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	4	0.96
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	6	0.96
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	6	0.96
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	9	0.96
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	1	0.96
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	1	0.96
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	1	0.96
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	1	0.96
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	1	0.96
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	1	0.96
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	4	0.96
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	4	0.96
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	4	0.96
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG21	6	0.96
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG22	6	0.96
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG23	6	0.96
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG21	6	0.96
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG22	6	0.96
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG23	6	0.96
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG21	6	0.96
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG22	6	0.96
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG23	6	0.96
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	1	0.96
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	1	0.96
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	1	0.96
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	1	0.96
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	3	0.96
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	3	0.96
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	3	0.96
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	3	0.96
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	3	0.96
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	2	0.96
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	2	0.96
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	2	0.96
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	1	0.95
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	1	0.95
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	9	0.95
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	9	0.95
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	7	0.95
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	7	0.95
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	8	0.95
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	8	0.95
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	8	0.95
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	3	0.95
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	1	0.95
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	4	0.95
(1,1638)	1:467:A:VAL:H	1:542:A:GLU:H	7	0.95
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	10	0.95
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	10	0.95
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	10	0.95
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	1	0.95
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	4	0.95
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	6	0.95
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	9	0.95
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	2	0.95
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	2	0.95
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	2	0.95
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	4	0.95
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	8	0.95
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	8	0.95
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	8	0.95
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	9	0.95
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	8	0.95
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	8	0.95
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	8	0.95
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	5	0.95
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	8	0.95
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	8	0.95
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	8	0.95
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	5	0.95
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	4	0.95
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	5	0.95
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	5	0.95
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	8	0.95
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	10	0.95
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	8	0.95
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	8	0.95
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	8	0.95
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	8	0.95
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	8	0.95
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	8	0.95
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	8	0.95
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	8	0.95
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	8	0.95
(1,71)	1:457:A:THR:HG21	1:477:A:VAL:HA	7	0.95
(1,71)	1:457:A:THR:HG22	1:477:A:VAL:HA	7	0.95
(1,71)	1:457:A:THR:HG23	1:477:A:VAL:HA	7	0.95
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	6	0.94
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	6	0.94
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	9	0.94
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	9	0.94
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	10	0.94
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	10	0.94
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	10	0.94
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	10	0.94
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	10	0.94
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	10	0.94
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	10	0.94
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	10	0.94
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	3	0.94
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	3	0.94
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	3	0.94
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	3	0.94
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	3	0.94
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	2	0.94
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	2	0.94
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	2	0.94
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	5	0.94
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	5	0.94
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	5	0.94
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	8	0.94
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	8	0.94
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	10	0.94
(1,1748)	1:495:A:ARG:HD3	1:496:A:GLU:H	9	0.94
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	4	0.94
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	2	0.94
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	7	0.94
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	7	0.94
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	7	0.94
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	8	0.94
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	9	0.94
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	9	0.94
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	9	0.94
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	7	0.94
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	7	0.94
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	7	0.94
(1,1306)	1:480:A:GLU:HB2	1:507:A:GLY:H	9	0.94
(1,1284)	1:494:A:THR:H	1:501:A:TYR:HD1	10	0.94
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	2	0.94
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	2	0.94
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	2	0.94
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	2	0.94
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	6	0.94
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	1	0.94
(1,961)	1:461:A:GLU:HB3	1:473:A:PHE:HZ	10	0.94
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	3	0.94
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	10	0.94
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	10	0.94
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	10	0.94
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	6	0.94
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	6	0.94
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	6	0.94
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	9	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	8	0.94
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	5	0.94
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	5	0.94
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	5	0.94
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	1	0.94
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	2	0.94
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	10	0.94
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	10	0.94
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	10	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	10	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	10	0.94
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	10	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	10	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	10	0.94
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	10	0.94
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	2	0.94
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	2	0.94
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	2	0.94
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	9	0.93
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	9	0.93
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	9	0.93
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	9	0.93
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	9	0.93
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	9	0.93
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	9	0.93
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	10	0.93
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	2	0.93
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	6	0.93
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	10	0.93
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	2	0.93
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	2	0.93
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	2	0.93
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	9	0.93
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	4	0.93
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	1	0.93
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	2	0.93
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	10	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	2	0.93
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	5	0.93
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	5	0.93
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	5	0.93
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	8	0.93
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	8	0.93
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	8	0.93
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	2	0.93
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	2	0.93
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	1	0.93
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	1	0.93
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	1	0.93
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	6	0.92
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	6	0.92
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	6	0.92
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	6	0.92
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	6	0.92
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	6	0.92
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	4	0.92
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	4	0.92
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	5	0.92
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	5	0.92
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	4	0.92
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	4	0.92
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	4	0.92
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	5	0.92
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	6	0.92
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	9	0.92
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	3	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	5	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	5	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	5	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	8	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	8	0.92
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	8	0.92
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	8	0.92
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	7	0.92
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	4	0.92
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	4	0.92
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	4	0.92
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	4	0.92
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	4	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	4	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	4	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	4	0.92
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	4	0.92
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	1	0.92
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	1	0.92
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	6	0.92
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	7	0.92
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	7	0.92
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	7	0.92
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	3	0.92
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	3	0.92
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD2	7	0.92
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD3	7	0.92
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	3	0.92
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	3	0.92
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	8	0.92
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	8	0.92
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	1	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	2	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	2	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	2	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	2	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	2	0.91
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	2	0.91
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	2	0.91
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	2	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD11	5	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD12	5	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD13	5	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD21	5	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD22	5	0.91
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD23	5	0.91
(1,1919)	1:466:A:MET:HE1	1:541:A:GLN:HE21	7	0.91
(1,1919)	1:466:A:MET:HE2	1:541:A:GLN:HE21	7	0.91
(1,1919)	1:466:A:MET:HE3	1:541:A:GLN:HE21	7	0.91
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	7	0.91
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	7	0.91
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	7	0.91
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	10	0.91
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	10	0.91
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	4	0.91
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	10	0.91
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	10	0.91
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	2	0.91
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	7	0.91
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	6	0.91
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	1	0.91
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	3	0.91
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	3	0.91
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	3	0.91
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	3	0.91
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	3	0.91
(1,1292)	1:500:A:LYS:HB2	1:501:A:TYR:H	6	0.91
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	6	0.91
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	10	0.91
(1,1254)	1:486:A:TRP:HZ2	1:511:A:HIS:H	2	0.91
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	10	0.91
(1,1054)	1:508:A:GLN:H	1:510:A:HIS:HD2	2	0.91
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	7	0.91
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	7	0.91
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	5	0.91
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	10	0.91
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	4	0.91
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD11	3	0.91
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD12	3	0.91
(1,629)	1:471:A:VAL:HB	1:514:A:ILE:HD13	3	0.91
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	3	0.91
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	3	0.91
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	3	0.91
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	3	0.91
(1,435)	1:495:A:ARG:HG2	1:496:A:GLU:HA	8	0.91
(1,378)	1:487:A:LEU:HB2	1:492:A:GLU:HA	5	0.91
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	6	0.91
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	7	0.91
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	7	0.91
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	6	0.91
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	6	0.91
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	6	0.91
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	6	0.91
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	6	0.91
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	6	0.91
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	6	0.91
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	6	0.91
(1,136)	1:465:A:VAL:HG21	1:469:A:GLN:HA	7	0.91
(1,136)	1:465:A:VAL:HG22	1:469:A:GLN:HA	7	0.91
(1,136)	1:465:A:VAL:HG23	1:469:A:GLN:HA	7	0.91
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	7	0.9
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	7	0.9
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	5	0.9
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	5	0.9
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	7	0.9
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	7	0.9
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	7	0.9
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	7	0.9
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	7	0.9
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	7	0.9
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	7	0.9
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	7	0.9
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	9	0.9
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	5	0.9
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	2	0.9
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	4	0.9
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	6	0.9
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	6	0.9
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	6	0.9
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	1	0.9
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB2	4	0.9
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB3	4	0.9
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	10	0.9
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	10	0.9
(1,980)	1:500:A:LYS:HB3	1:501:A:TYR:HE2	5	0.9
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	3	0.9
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	3	0.9
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	3	0.9
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	9	0.9
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	9	0.9
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	2	0.9
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	7	0.9
(1,533)	1:480:A:GLU:HG2	1:507:A:GLY:HA2	3	0.9
(1,533)	1:480:A:GLU:HG3	1:507:A:GLY:HA2	3	0.9
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	9	0.9
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	9	0.9
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	9	0.9
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	9	0.9
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	6	0.9
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	9	0.9
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	9	0.9
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	9	0.9
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	1	0.9
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	1	0.9
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	1	0.9
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	1	0.9
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	1	0.9
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	1	0.9
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	1	0.9
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	1	0.9
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	1	0.9
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	7	0.9
(1,88)	1:460:A:LEU:HD11	1:526:A:ALA:HA	6	0.9
(1,88)	1:460:A:LEU:HD12	1:526:A:ALA:HA	6	0.9
(1,88)	1:460:A:LEU:HD13	1:526:A:ALA:HA	6	0.9
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	10	0.89
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	8	0.89
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	8	0.89
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	8	0.89
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	4	0.89
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	4	0.89
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	4	0.89
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	6	0.89
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	10	0.89
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	5	0.89
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	8	0.89
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	8	0.89
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	3	0.89
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	9	0.89
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	9	0.89
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	9	0.89
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	4	0.89
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	3	0.89
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	10	0.89
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	6	0.89
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	9	0.89
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	1	0.89
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	1	0.89
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	1	0.89
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	1	0.89
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	1	0.89
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	1	0.89
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	1	0.89
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	1	0.89
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	1	0.89
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	3	0.89
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	3	0.89
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	3	0.89
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	2	0.89
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	2	0.89
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	2	0.89
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	6	0.89
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	6	0.89
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	6	0.89
(1,419)	1:494:A:THR:HA	1:495:A:ARG:HG2	6	0.89
(1,83)	1:460:A:LEU:HB2	1:473:A:PHE:HE2	5	0.89
(1,83)	1:460:A:LEU:HB3	1:473:A:PHE:HE2	5	0.89
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	2	0.88
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	2	0.88
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	2	0.88
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	2	0.88
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	2	0.88
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	2	0.88
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	2	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	2	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	2	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	2	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	2	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	2	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	2	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	2	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	9	0.88
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	9	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	9	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	9	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	9	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	9	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	9	0.88
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	9	0.88
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	8	0.88
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	8	0.88
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	2	0.88
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	5	0.88
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	10	0.88
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	5	0.88
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	6	0.88
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	6	0.88
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	6	0.88
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	5	0.88
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	5	0.88
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	6	0.88
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	6	0.88
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	6	0.88
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	1	0.88
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	10	0.88
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	10	0.88
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	10	0.88
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	5	0.88
(1,1197)	1:487:A:LEU:H	1:525:A:TYR:HE2	6	0.88
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	2	0.88
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	2	0.88
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	7	0.88
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	9	0.88
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	4	0.88
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	1	0.88
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	1	0.88
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	1	0.88
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	1	0.88
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	1	0.88
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	1	0.88
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	5	0.88
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	5	0.88
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	5	0.88
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	5	0.88
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	5	0.88
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	5	0.88
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	5	0.88
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	5	0.88
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	5	0.88
(1,78)	1:459:A:PRO:HB2	1:534:A:ALA:HA	8	0.88
(1,78)	1:459:A:PRO:HB3	1:534:A:ALA:HA	8	0.88
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	6	0.88
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	6	0.88
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	6	0.88
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	7	0.87
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	7	0.87
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	8	0.87
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	8	0.87
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	8	0.87
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	8	0.87
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	8	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	5	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	5	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	5	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	5	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	5	0.87
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	5	0.87
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	6	0.87
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	6	0.87
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	6	0.87
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	10	0.87
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	8	0.87
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	8	0.87
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	9	0.87
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	3	0.87
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	5	0.87
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	5	0.87
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	5	0.87
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	3	0.87
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	4	0.87
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	10	0.87
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	8	0.87
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	10	0.87
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	8	0.87
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	8	0.87
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	9	0.87
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	9	0.87
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	9	0.87
(1,878)	1:464:A:LEU:HA	1:539:A:ILE:HB	10	0.87
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	3	0.87
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	3	0.87
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	3	0.87
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	2	0.87
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	2	0.87
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	2	0.87
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	1	0.87
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	1	0.87
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	1	0.87
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	3	0.87
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	3	0.87
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	3	0.87
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	4	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	4	0.87
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	4	0.87
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	4	0.87
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	4	0.87
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	4	0.87
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	1	0.87
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	1	0.87
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	8	0.86
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	8	0.86
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	8	0.86
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	8	0.86
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	8	0.86
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	8	0.86
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	8	0.86
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	8	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	2	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	2	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	7	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	7	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	7	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	7	0.86
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	7	0.86
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	7	0.86
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	6	0.86
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	6	0.86
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	6	0.86
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	1	0.86
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	4	0.86
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	4	0.86
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	4	0.86
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	8	0.86
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	6	0.86
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	3	0.86
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	8	0.86
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	8	0.86
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	1	0.86
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	3	0.86
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	2	0.86
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	2	0.86
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	2	0.86
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	6	0.86
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	6	0.86
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	6	0.86
(1,878)	1:464:A:LEU:HA	1:539:A:ILE:HB	5	0.86
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	10	0.86
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	10	0.86
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	10	0.86
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	10	0.86
(1,249)	1:463:A:GLN:HE22	1:473:A:PHE:HB2	10	0.86
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	5	0.86
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	8	0.86
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	8	0.86
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	8	0.86
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	9	0.85
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	9	0.85
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	6	0.85
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	6	0.85
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	6	0.85
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	6	0.85
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	6	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	4	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	4	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	4	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	4	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	4	0.85
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	4	0.85
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	4	0.85
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	3	0.85
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	3	0.85
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	10	0.85
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	10	0.85
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	2	0.85
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	2	0.85
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	2	0.85
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE1	1	0.85
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE2	1	0.85
(1,1781)	1:465:A:VAL:H	1:466:A:MET:HE3	1	0.85
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	10	0.85
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	10	0.85
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	8	0.85
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	8	0.85
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	1	0.85
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	3	0.85
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	2	0.85
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	2	0.85
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	2	0.85
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	7	0.85
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	7	0.85
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	7	0.85
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	4	0.85
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	4	0.85
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	4	0.85
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	10	0.85
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	10	0.85
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	9	0.85
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	5	0.85
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	8	0.85
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	3	0.85
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	1	0.85
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	1	0.85
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	1	0.85
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	2	0.85
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	6	0.85
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	9	0.85
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG21	6	0.85
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG22	6	0.85
(1,634)	1:471:A:VAL:HB	1:514:A:ILE:HG23	6	0.85
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	3	0.85
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	3	0.85
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	3	0.85
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	3	0.85
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	3	0.85
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	3	0.85
(1,425)	1:498:A:THR:HG21	1:501:A:TYR:HD1	3	0.85
(1,425)	1:498:A:THR:HG22	1:501:A:TYR:HD1	3	0.85
(1,425)	1:498:A:THR:HG23	1:501:A:TYR:HD1	3	0.85
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	10	0.85
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG21	5	0.85
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG22	5	0.85
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG23	5	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG21	5	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG22	5	0.85
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG23	5	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG21	5	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG22	5	0.85
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG23	5	0.85
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	8	0.85
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	8	0.85
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	8	0.85
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	8	0.85
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	10	0.84
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	9	0.84
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	9	0.84
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	10	0.84
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	9	0.84
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	3	0.84
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	8	0.84
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	1	0.84
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	3	0.84
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	10	0.84
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	9	0.84
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	9	0.84
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	9	0.84
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	1	0.84
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	10	0.84
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	10	0.84
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD11	7	0.84
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD12	7	0.84
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD13	7	0.84
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD11	7	0.84
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD12	7	0.84
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD13	7	0.84
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD11	7	0.84
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD12	7	0.84
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD13	7	0.84
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD2	8	0.84
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD3	8	0.84
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	6	0.84
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	2	0.83
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	2	0.83
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	7	0.83
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	7	0.83
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	7	0.83
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	7	0.83
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	7	0.83
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	7	0.83
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	6	0.83
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	6	0.83
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	6	0.83
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	6	0.83
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	6	0.83
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	6	0.83
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	1	0.83
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	1	0.83
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	1	0.83
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	1	0.83
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	1	0.83
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	8	0.83
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	5	0.83
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	5	0.83
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	5	0.83
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	7	0.83
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	1	0.83
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	9	0.83
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	9	0.83
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	9	0.83
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	8	0.83
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	9	0.83
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	9	0.83
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	9	0.83
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	4	0.83
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	9	0.83
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	9	0.83
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	9	0.83
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	8	0.83
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	7	0.83
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	7	0.83
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	7	0.83
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	7	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	2	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	2	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	2	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	8	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	8	0.83
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	8	0.83
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	4	0.83
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	10	0.83
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	10	0.83
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	3	0.83
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	3	0.83
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	3	0.83
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	1	0.83
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	3	0.82
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	3	0.82
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	3	0.82
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	3	0.82
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	3	0.82
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	4	0.82
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	10	0.82
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	10	0.82
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	10	0.82
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	10	0.82
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	10	0.82
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	10	0.82
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	8	0.82
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	8	0.82
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	10	0.82
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	10	0.82
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	10	0.82
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	10	0.82
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	10	0.82
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	10	0.82
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	7	0.82
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	7	0.82
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	5	0.82
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	5	0.82
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	5	0.82
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	4	0.82
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	9	0.82
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	9	0.82
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	3	0.82
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	3	0.82
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	3	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	1	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	1	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	1	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	1	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	1	0.82
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	1	0.82
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	7	0.82
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	1	0.82
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	9	0.82
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	3	0.82
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	3	0.82
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	6	0.82
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	6	0.82
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	6	0.82
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	1	0.82
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	2	0.82
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	5	0.82
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	10	0.82
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	8	0.82
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	8	0.82
(1,871)	1:523:A:GLY:H	1:538:A:LEU:HB2	7	0.82
(1,788)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	9	0.82
(1,788)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	9	0.82
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	1	0.82
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	1	0.82
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	1	0.82
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	9	0.82
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	9	0.82
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	9	0.82
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	9	0.82
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	9	0.82
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	9	0.82
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	2	0.82
(1,239)	1:472:A:GLU:HG3	1:513:A:ILE:HA	1	0.82
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	7	0.82
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	1	0.82
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	1	0.82
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	3	0.82
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	3	0.82
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	3	0.82
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	3	0.82
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	3	0.82
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	3	0.82
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	3	0.82
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	3	0.82
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	3	0.82
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	5	0.81
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	5	0.81
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	5	0.81
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	5	0.81
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	5	0.81
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	5	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD11	9	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD12	9	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD13	9	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD21	9	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD22	9	0.81
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD23	9	0.81
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	7	0.81
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	7	0.81
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	7	0.81
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	7	0.81
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	7	0.81
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	7	0.81
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	7	0.81
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	7	0.81
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	3	0.81
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	3	0.81
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	3	0.81
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	3	0.81
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	3	0.81
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	3	0.81
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	7	0.81
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	7	0.81
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	7	0.81
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	6	0.81
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	4	0.81
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	4	0.81
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	9	0.81
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	9	0.81
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	9	0.81
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	9	0.81
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	9	0.81
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	9	0.81
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	1	0.81
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	8	0.81
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	2	0.81
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	4	0.81
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	4	0.81
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	7	0.81
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	7	0.81
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	7	0.81
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	6	0.81
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	6	0.81
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	6	0.81
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	5	0.81
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	3	0.81
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	5	0.81
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	5	0.81
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	5	0.81
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	3	0.81
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	4	0.81
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	4	0.81
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	4	0.81
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	4	0.81
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	10	0.81
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	10	0.81
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	10	0.81
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	8	0.8
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	8	0.8
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	9	0.8
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	9	0.8
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	9	0.8
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	9	0.8
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	9	0.8
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	9	0.8
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	1	0.8
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	1	0.8
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	1	0.8
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	1	0.8
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	1	0.8
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	7	0.8
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	7	0.8
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	7	0.8
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	7	0.8
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	7	0.8
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	7	0.8
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	7	0.8
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	7	0.8
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	9	0.8
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	9	0.8
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	9	0.8
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	2	0.8
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	9	0.8
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	8	0.8
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	8	0.8
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	1	0.8
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	1	0.8
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	1	0.8
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	3	0.8
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	6	0.8
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	6	0.8
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	9	0.8
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	8	0.8
(1,1314)	1:513:A:ILE:HG21	1:515:A:ASN:HD21	3	0.8
(1,1314)	1:513:A:ILE:HG22	1:515:A:ASN:HD21	3	0.8
(1,1314)	1:513:A:ILE:HG23	1:515:A:ASN:HD21	3	0.8
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	1	0.8
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	3	0.8
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	8	0.8
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	9	0.8
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	10	0.8
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	4	0.8
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	8	0.8
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	8	0.8
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	8	0.8
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	3	0.8
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	5	0.8
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	5	0.8
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	8	0.8
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	8	0.8
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	8	0.8
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	8	0.8
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	6	0.8
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	6	0.8
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	6	0.8
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	1	0.8
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	1	0.8
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	1	0.8
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	3	0.8
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	3	0.8
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	3	0.8
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	8	0.8
(1,78)	1:459:A:PRO:HB2	1:534:A:ALA:HA	6	0.8
(1,78)	1:459:A:PRO:HB3	1:534:A:ALA:HA	6	0.8
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	6	0.79
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	6	0.79
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	6	0.79
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	6	0.79
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	6	0.79
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	6	0.79
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	5	0.79
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	5	0.79
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	3	0.79
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	3	0.79
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	5	0.79
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	2	0.79
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	6	0.79
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	4	0.79
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	9	0.79
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	9	0.79
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	1	0.79
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	9	0.79
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	1	0.79
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	7	0.79
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	5	0.79
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	5	0.79
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	5	0.79
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	5	0.79
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	5	0.79
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	5	0.79
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	5	0.79
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	5	0.79
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	5	0.79
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	9	0.79
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	9	0.79
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	9	0.79
(1,744)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	6	0.79
(1,744)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	6	0.79
(1,744)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	6	0.79
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	4	0.79
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	5	0.79
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	6	0.79
(1,197)	1:470:A:ARG:HB2	1:513:A:ILE:HG13	5	0.79
(1,197)	1:470:A:ARG:HB3	1:513:A:ILE:HG13	5	0.79
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	1	0.78
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	1	0.78
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	5	0.78
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	5	0.78
(1,1977)	1:460:A:LEU:HD11	1:527:A:LEU:H	6	0.78
(1,1977)	1:460:A:LEU:HD12	1:527:A:LEU:H	6	0.78
(1,1977)	1:460:A:LEU:HD13	1:527:A:LEU:H	6	0.78
(1,1977)	1:460:A:LEU:HD21	1:527:A:LEU:H	6	0.78
(1,1977)	1:460:A:LEU:HD22	1:527:A:LEU:H	6	0.78
(1,1977)	1:460:A:LEU:HD23	1:527:A:LEU:H	6	0.78
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	3	0.78
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	6	0.78
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	1	0.78
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	1	0.78
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	1	0.78
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	10	0.78
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	10	0.78
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	5	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	3	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	3	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	3	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	3	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	3	0.78
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	3	0.78
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	10	0.78
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	10	0.78
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	10	0.78
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	3	0.78
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	3	0.78
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	3	0.78
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	3	0.78
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	5	0.78
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	2	0.78
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	5	0.78
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	10	0.78
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	9	0.78
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	2	0.78
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	8	0.78
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	9	0.78
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	8	0.78
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	8	0.78
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	8	0.78
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	10	0.78
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	10	0.78
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	10	0.78
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	9	0.78
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	9	0.78
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	9	0.78
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	6	0.78
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	6	0.78
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	6	0.78
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	6	0.78
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	6	0.78
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	6	0.78
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD11	7	0.78
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD12	7	0.78
(1,590)	1:512:A:LEU:H	1:513:A:ILE:HD13	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:480:A:GLU:HG2	1:507:A:GLY:HA2	4	0.78
(1,533)	1:480:A:GLU:HG3	1:507:A:GLY:HA2	4	0.78
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	3	0.78
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	3	0.78
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	3	0.78
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	4	0.78
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	4	0.78
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	4	0.78
(1,165)	1:467:A:VAL:HB	1:542:A:GLU:HA	7	0.78
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	9	0.78
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	9	0.78
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	9	0.78
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	6	0.77
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	6	0.77
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	1	0.77
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	1	0.77
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB3	8	0.77
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB3	8	0.77
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB3	8	0.77
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB3	8	0.77
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB3	8	0.77
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB2	8	0.77
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB3	8	0.77
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	3	0.77
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	3	0.77
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	3	0.77
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	10	0.77
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	8	0.77
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	8	0.77
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	8	0.77
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	8	0.77
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	6	0.77
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	6	0.77
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	6	0.77
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	2	0.77
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	3	0.77
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	3	0.77
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	8	0.77
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	9	0.77
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	9	0.77
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	5	0.77
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	5	0.77
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	10	0.77
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	3	0.77
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	3	0.77
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	5	0.77
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	2	0.77
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	4	0.77
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	4	0.77
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	4	0.77
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	2	0.77
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	4	0.77
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	5	0.77
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	1	0.77
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	4	0.77
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	4	0.77
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	6	0.77
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	8	0.77
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	6	0.77
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	9	0.77
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	1	0.77
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	8	0.77
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	8	0.77
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	8	0.77
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	8	0.77
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	8	0.77
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	8	0.77
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	1	0.77
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	1	0.77
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	1	0.77
(1,533)	1:480:A:GLU:HG2	1:507:A:GLY:HA2	9	0.77
(1,533)	1:480:A:GLU:HG3	1:507:A:GLY:HA2	9	0.77
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	9	0.77
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	9	0.77
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	9	0.77
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	2	0.77
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	2	0.77
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	8	0.77
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	8	0.76
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	8	0.76
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	8	0.76
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	8	0.76
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	8	0.76
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	8	0.76
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	9	0.76
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	9	0.76
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	9	0.76
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	9	0.76
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	9	0.76
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	9	0.76
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	3	0.76
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	3	0.76
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	3	0.76
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	5	0.76
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	5	0.76
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	5	0.76
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	7	0.76
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG21	4	0.76
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG22	4	0.76
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG23	4	0.76
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	9	0.76
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	6	0.76
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	8	0.76
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	5	0.76
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	5	0.76
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	3	0.76
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	1	0.76
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	1	0.76
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	1	0.76
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	5	0.76
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	3	0.76
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	3	0.76
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	3	0.76
(1,1332)	1:454:A:VAL:HB	1:531:A:GLY:H	7	0.76
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	1	0.76
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	9	0.76
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	8	0.76
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	3	0.76
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	4	0.76
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	4	0.76
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	4	0.76
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	4	0.76
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	5	0.76
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	5	0.76
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	5	0.76
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	9	0.76
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	9	0.76
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	9	0.76
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	2	0.76
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	9	0.76
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	9	0.76
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	9	0.76
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	9	0.76
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	9	0.76
(1,45)	1:456:A:ILE:HA	1:457:A:THR:HG21	7	0.76
(1,45)	1:456:A:ILE:HA	1:457:A:THR:HG22	7	0.76
(1,45)	1:456:A:ILE:HA	1:457:A:THR:HG23	7	0.76
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	10	0.75
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	10	0.75
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	7	0.75
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	7	0.75
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	7	0.75
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	7	0.75
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	7	0.75
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	7	0.75
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	8	0.75
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	8	0.75
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	8	0.75
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	8	0.75
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	8	0.75
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	8	0.75
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	8	0.75
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	8	0.75
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	8	0.75
(1,1763)	1:499:A:PHE:H	1:500:A:LYS:HB2	6	0.75
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	2	0.75
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	6	0.75
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	5	0.75
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	5	0.75
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	7	0.75
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	6	0.75
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	8	0.75
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	3	0.75
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	1	0.75
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	1	0.75
(1,983)	1:504:A:LYS:HB2	1:511:A:HIS:HD2	1	0.75
(1,983)	1:504:A:LYS:HB3	1:511:A:HIS:HD2	1	0.75
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	1	0.75
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	1	0.75
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	1	0.75
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	1	0.75
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	1	0.75
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	1	0.75
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	5	0.75
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	5	0.75
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	5	0.75
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	10	0.75
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	5	0.75
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	5	0.75
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	3	0.75
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	3	0.75
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	3	0.75
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	9	0.75
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	9	0.75
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	3	0.75
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	2	0.75
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	2	0.75
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	2	0.75
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	2	0.75
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	2	0.75
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	9	0.75
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	9	0.75
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	5	0.74
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	5	0.74
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	10	0.74
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	10	0.74
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	6	0.74
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	6	0.74
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	9	0.74
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	9	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD11	1	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD12	1	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD13	1	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD21	1	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD22	1	0.74
(1,1992)	1:463:A:GLN:HG2	1:538:A:LEU:HD23	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD11	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD12	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD13	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD21	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD22	1	0.74
(1,1992)	1:463:A:GLN:HG3	1:538:A:LEU:HD23	1	0.74
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	1	0.74
(1,1776)	1:500:A:LYS:H	1:500:A:LYS:HB2	6	0.74
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	5	0.74
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	8	0.74
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	7	0.74
(1,1493)	1:465:A:VAL:HG11	1:469:A:GLN:HE21	5	0.74
(1,1493)	1:465:A:VAL:HG12	1:469:A:GLN:HE21	5	0.74
(1,1493)	1:465:A:VAL:HG13	1:469:A:GLN:HE21	5	0.74
(1,1306)	1:480:A:GLU:HB2	1:507:A:GLY:H	8	0.74
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	9	0.74
(1,1038)	1:455:A:LEU:H	1:455:A:LEU:HG	5	0.74
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	6	0.74
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	6	0.74
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	6	0.74
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	6	0.74
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	6	0.74
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	3	0.74
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	3	0.74
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	3	0.74
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	10	0.74
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	2	0.74
(1,696)	1:519:A:LEU:HD21	1:542:A:GLU:HB3	9	0.74
(1,696)	1:519:A:LEU:HD22	1:542:A:GLU:HB3	9	0.74
(1,696)	1:519:A:LEU:HD23	1:542:A:GLU:HB3	9	0.74
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	4	0.74
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	7	0.74
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	7	0.74
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	7	0.74
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	9	0.74
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	9	0.74
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	9	0.74
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	1	0.74
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	1	0.74
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	1	0.74
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	5	0.74
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	5	0.74
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	5	0.74
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	5	0.74
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	5	0.74
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	5	0.74
(1,136)	1:465:A:VAL:HG21	1:469:A:GLN:HA	1	0.74
(1,136)	1:465:A:VAL:HG22	1:469:A:GLN:HA	1	0.74
(1,136)	1:465:A:VAL:HG23	1:469:A:GLN:HA	1	0.74
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	2	0.74
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	2	0.73
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	2	0.73
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	2	0.73
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	2	0.73
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	1	0.73
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	1	0.73
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	8	0.73
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	8	0.73
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	8	0.73
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	8	0.73
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	8	0.73
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	8	0.73
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	10	0.73
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	10	0.73
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	1	0.73
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	1	0.73
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	1	0.73
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	1	0.73
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	1	0.73
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	1	0.73
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	1	0.73
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	1	0.73
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	1	0.73
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	1	0.73
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	1	0.73
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	9	0.73
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	9	0.73
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	9	0.73
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	9	0.73
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	9	0.73
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	9	0.73
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	3	0.73
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	3	0.73
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	3	0.73
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	8	0.73
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	8	0.73
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	9	0.73
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	8	0.73
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	7	0.73
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	8	0.73
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	9	0.73
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	9	0.73
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	9	0.73
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	1	0.73
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	1	0.73
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	1	0.73
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	3	0.73
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	3	0.73
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	1	0.73
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	7	0.73
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	7	0.73
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	7	0.73
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	8	0.73
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	8	0.73
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	8	0.73
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	8	0.73
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	8	0.73
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	8	0.73
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	8	0.73
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	8	0.73
(1,735)	1:488:A:LYS:HG3	1:525:A:TYR:HA	1	0.73
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD11	1	0.73
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD12	1	0.73
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD13	1	0.73
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD11	1	0.73
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD12	1	0.73
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD13	1	0.73
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD11	1	0.73
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD12	1	0.73
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD13	1	0.73
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	10	0.73
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	9	0.73
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	9	0.73
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	9	0.73
(1,557)	1:474:A:GLU:HA	1:511:A:HIS:HA	1	0.73
(1,474)	1:504:A:LYS:HE2	1:513:A:ILE:HB	2	0.73
(1,474)	1:504:A:LYS:HE3	1:513:A:ILE:HB	2	0.73
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	1	0.73
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	6	0.73
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	5	0.73
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	5	0.73
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	5	0.73
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	10	0.73
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	10	0.73
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	10	0.73
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	10	0.73
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	2	0.73
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	2	0.73
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	2	0.73
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	5	0.73
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	7	0.73
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	7	0.73
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	7	0.73
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	7	0.73
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	7	0.73
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	3	0.73
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	3	0.73
(1,91)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	8	0.73
(1,91)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	8	0.73
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	1	0.73
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	1	0.73
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	1	0.73
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	7	0.72
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	7	0.72
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	7	0.72
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	7	0.72
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	7	0.72
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	7	0.72
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	7	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	9	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	9	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	9	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	9	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	9	0.72
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	9	0.72
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	9	0.72
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	2	0.72
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	2	0.72
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	8	0.72
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	8	0.72
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	8	0.72
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	8	0.72
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	8	0.72
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	8	0.72
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	9	0.72
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	9	0.72
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	2	0.72
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	2	0.72
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	2	0.72
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	2	0.72
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	2	0.72
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	3	0.72
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	10	0.72
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	10	0.72
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	3	0.72
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	6	0.72
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	6	0.72
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	6	0.72
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	3	0.72
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	3	0.72
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	3	0.72
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	4	0.72
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB2	7	0.72
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB3	7	0.72
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	6	0.72
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	2	0.72
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	2	0.72
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	6	0.72
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	3	0.72
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	2	0.72
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	2	0.72
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	2	0.72
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	1	0.72
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	1	0.72
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	1	0.72
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	1	0.72
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	1	0.72
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	1	0.72
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	1	0.72
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	1	0.72
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	1	0.72
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	9	0.72
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD11	1	0.72
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD12	1	0.72
(1,591)	1:511:A:HIS:HA	1:513:A:ILE:HD13	1	0.72
(1,419)	1:494:A:THR:HA	1:495:A:ARG:HG2	2	0.72
(1,21)	1:454:A:VAL:HG11	1:531:A:GLY:H	7	0.72
(1,21)	1:454:A:VAL:HG12	1:531:A:GLY:H	7	0.72
(1,21)	1:454:A:VAL:HG13	1:531:A:GLY:H	7	0.72
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG22	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG23	6	0.71
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG22	6	0.71
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG23	6	0.71
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG22	6	0.71
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG23	6	0.71
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG22	6	0.71
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG23	6	0.71
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG22	6	0.71
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG23	6	0.71
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG21	6	0.71
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG22	6	0.71
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG23	6	0.71
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	8	0.71
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	8	0.71
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	8	0.71
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	8	0.71
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	8	0.71
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	8	0.71
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	6	0.71
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	6	0.71
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB2	7	0.71
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	7	0.71
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB2	7	0.71
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	7	0.71
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	6	0.71
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	6	0.71
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	6	0.71
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	6	0.71
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	6	0.71
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	6	0.71
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	6	0.71
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	1	0.71
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:486:A:TRP:HB3	1:526:A:ALA:H	5	0.71
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	1	0.71
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	8	0.71
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	8	0.71
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	8	0.71
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	8	0.71
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	1	0.71
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	1	0.71
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	1	0.71
(1,1628)	1:467:A:VAL:H	1:519:A:LEU:HA	6	0.71
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	10	0.71
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	10	0.71
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	7	0.71
(1,1373)	1:470:A:ARG:H	1:516:A:GLU:HA	4	0.71
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	9	0.71
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	9	0.71
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	1	0.71
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	3	0.71
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	3	0.71
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	3	0.71
(1,983)	1:504:A:LYS:HB2	1:511:A:HIS:HD2	8	0.71
(1,983)	1:504:A:LYS:HB3	1:511:A:HIS:HD2	8	0.71
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	8	0.71
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	8	0.71
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	8	0.71
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	8	0.71
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	8	0.71
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	8	0.71
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	8	0.71
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	8	0.71
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	8	0.71
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	1	0.71
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	1	0.71
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	1	0.71
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	1	0.71
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	1	0.71
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	1	0.71
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	1	0.71
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	1	0.71
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	2	0.71
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	2	0.71
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	2	0.71
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	5	0.71
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	6	0.71
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	2	0.71
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	8	0.71
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	9	0.71
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	4	0.71
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	8	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	3	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	3	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	3	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	6	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	6	0.71
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	6	0.71
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	9	0.71
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	10	0.71
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	10	0.71
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	10	0.71
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	9	0.71
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	10	0.71
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	8	0.71
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	2	0.7
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	2	0.7
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	2	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	2	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	2	0.7
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	2	0.7
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	1	0.7
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	1	0.7
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	6	0.7
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	6	0.7
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	6	0.7
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	6	0.7
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	6	0.7
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	6	0.7
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	6	0.7
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	6	0.7
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	6	0.7
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	6	0.7
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	6	0.7
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	6	0.7
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	5	0.7
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	5	0.7
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	7	0.7
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	7	0.7
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	7	0.7
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	7	0.7
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	7	0.7
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	7	0.7
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	2	0.7
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	2	0.7
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	2	0.7
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG21	6	0.7
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG22	6	0.7
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG23	6	0.7
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	5	0.7
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	10	0.7
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	5	0.7
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	5	0.7
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	5	0.7
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	2	0.7
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	5	0.7
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	1	0.7
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	1	0.7
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	1	0.7
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	7	0.7
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	7	0.7
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	4	0.7
(1,1601)	1:457:A:THR:H	1:457:A:THR:HG21	7	0.7
(1,1601)	1:457:A:THR:H	1:457:A:THR:HG22	7	0.7
(1,1601)	1:457:A:THR:H	1:457:A:THR:HG23	7	0.7
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	9	0.7
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	9	0.7
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	3	0.7
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	6	0.7
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	1	0.7
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	1	0.7
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	1	0.7
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	8	0.7
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	8	0.7
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	8	0.7
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	8	0.7
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	8	0.7
(1,1233)	1:489:A:ASP:HA	1:524:A:HIS:H	5	0.7
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	4	0.7
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	6	0.7
(1,1110)	1:473:A:PHE:H	1:512:A:LEU:H	1	0.7
(1,1109)	1:473:A:PHE:H	1:473:A:PHE:HD1	10	0.7
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	10	0.7
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	10	0.7
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	10	0.7
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	5	0.7
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	1	0.7
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	1	0.7
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	1	0.7
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	8	0.7
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	8	0.7
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	8	0.7
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	5	0.7
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	2	0.7
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	2	0.7
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	2	0.7
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	3	0.7
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	8	0.7
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	8	0.7
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	8	0.7
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	8	0.7
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	3	0.7
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	8	0.7
(1,304)	1:487:A:LEU:HB3	1:492:A:GLU:HA	5	0.7
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	2	0.7
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	2	0.7
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	2	0.7
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	2	0.7
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	2	0.7
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	9	0.7
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	9	0.7
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	9	0.7
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	9	0.7
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	9	0.7
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	9	0.7
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	2	0.7
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	2	0.7
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	2	0.7
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	9	0.69
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	9	0.69
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	9	0.69
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	9	0.69
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	9	0.69
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	9	0.69
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	9	0.69
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG2	6	0.69
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG3	6	0.69
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG3	6	0.69
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG3	6	0.69
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG3	6	0.69
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG3	6	0.69
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG3	6	0.69
(1,1985)	1:460:A:LEU:HD11	1:535:A:LEU:HA	6	0.69
(1,1985)	1:460:A:LEU:HD12	1:535:A:LEU:HA	6	0.69
(1,1985)	1:460:A:LEU:HD13	1:535:A:LEU:HA	6	0.69
(1,1985)	1:460:A:LEU:HD21	1:535:A:LEU:HA	6	0.69
(1,1985)	1:460:A:LEU:HD22	1:535:A:LEU:HA	6	0.69
(1,1985)	1:460:A:LEU:HD23	1:535:A:LEU:HA	6	0.69
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	3	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG21	5	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG22	5	0.69
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG23	5	0.69
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	9	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	3	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	3	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	3	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	3	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	3	0.69
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	3	0.69
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	1	0.69
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	1	0.69
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	10	0.69
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	10	0.69
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG21	5	0.69
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG22	5	0.69
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG23	5	0.69
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	2	0.69
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	9	0.69
(1,1474)	1:456:A:ILE:HD11	1:460:A:LEU:H	6	0.69
(1,1474)	1:456:A:ILE:HD12	1:460:A:LEU:H	6	0.69
(1,1474)	1:456:A:ILE:HD13	1:460:A:LEU:H	6	0.69
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	9	0.69
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	9	0.69
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	9	0.69
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	8	0.69
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	8	0.69
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	8	0.69
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	8	0.69
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	8	0.69
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	9	0.69
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	1	0.69
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	9	0.69
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	7	0.69
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	5	0.69
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	4	0.69
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	4	0.69
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	9	0.69
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	3	0.69
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	1	0.69
(1,477)	1:498:A:THR:HG21	1:500:A:LYS:HE2	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:498:A:THR:HG22	1:500:A:LYS:HE2	3	0.69
(1,477)	1:498:A:THR:HG23	1:500:A:LYS:HE2	3	0.69
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	2	0.69
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	2	0.69
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	2	0.69
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	4	0.69
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	4	0.69
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	4	0.69
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	2	0.69
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	2	0.69
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	2	0.69
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	6	0.69
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	6	0.69
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	6	0.69
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD11	8	0.68
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD12	8	0.68
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD13	8	0.68
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD21	8	0.68
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD22	8	0.68
(1,2123)	1:486:A:TRP:HZ3	1:493:A:LEU:HD23	8	0.68
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	9	0.68
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	9	0.68
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	9	0.68
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	9	0.68
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	9	0.68
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	9	0.68
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	9	0.68
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	4	0.68
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG21	8	0.68
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG22	8	0.68
(1,1869)	1:529:A:THR:H	1:529:A:THR:HG23	8	0.68
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	7	0.68
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	5	0.68
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	5	0.68
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG21	10	0.68
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG22	10	0.68
(1,1694)	1:513:A:ILE:H	1:513:A:ILE:HG23	10	0.68
(1,1650)	1:466:A:MET:HA	1:469:A:GLN:HE22	4	0.68
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	10	0.68
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	6	0.68
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	7	0.68
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	3	0.68
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	4	0.68
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	5	0.68
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	7	0.68
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	8	0.68
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	6	0.68
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	6	0.68
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	6	0.68
(1,801)	1:454:A:VAL:HG11	1:529:A:THR:HB	8	0.68
(1,801)	1:454:A:VAL:HG12	1:529:A:THR:HB	8	0.68
(1,801)	1:454:A:VAL:HG13	1:529:A:THR:HB	8	0.68
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	4	0.68
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	4	0.68
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	4	0.68
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	5	0.68
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	9	0.68
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	9	0.68
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	9	0.68
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	4	0.68
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	3	0.68
(1,272)	1:456:A:ILE:H	1:477:A:VAL:HB	8	0.68
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	8	0.68
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	1	0.68
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	1	0.68
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	1	0.68
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	8	0.68
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG21	5	0.67
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG23	5	0.67
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG21	5	0.67
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG23	5	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG21	5	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG23	5	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG21	5	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG23	5	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG21	5	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG23	5	0.67
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG21	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG22	5	0.67
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG23	5	0.67
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	2	0.67
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	2	0.67
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	10	0.67
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	10	0.67
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	10	0.67
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	10	0.67
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	10	0.67
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	10	0.67
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD2	8	0.67
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD3	8	0.67
(1,2032)	1:467:A:VAL:HG11	1:516:A:GLU:HA	7	0.67
(1,2032)	1:467:A:VAL:HG12	1:516:A:GLU:HA	7	0.67
(1,2032)	1:467:A:VAL:HG13	1:516:A:GLU:HA	7	0.67
(1,2032)	1:467:A:VAL:HG21	1:516:A:GLU:HA	7	0.67
(1,2032)	1:467:A:VAL:HG22	1:516:A:GLU:HA	7	0.67
(1,2032)	1:467:A:VAL:HG23	1:516:A:GLU:HA	7	0.67
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	7	0.67
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	7	0.67
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	7	0.67
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	2	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	7	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	7	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	7	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	7	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	7	0.67
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	7	0.67
(1,1797)	1:470:A:ARG:HD2	1:471:A:VAL:H	3	0.67
(1,1797)	1:470:A:ARG:HD3	1:471:A:VAL:H	3	0.67
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	10	0.67
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	9	0.67
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	7	0.67
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	7	0.67
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	4	0.67
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	2	0.67
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	9	0.67
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	8	0.67
(1,1391)	1:459:A:PRO:HB2	1:535:A:LEU:H	6	0.67
(1,1391)	1:459:A:PRO:HB3	1:535:A:LEU:H	6	0.67
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	3	0.67
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	3	0.67
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	2	0.67
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	2	0.67
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	2	0.67
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	1	0.67
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	7	0.67
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	3	0.67
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	3	0.67
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	3	0.67
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	7	0.67
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	7	0.67
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	7	0.67
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	10	0.67
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	10	0.67
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	10	0.67
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	1	0.67
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	1	0.67
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	1	0.67
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB1	8	0.67
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB2	8	0.67
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB3	8	0.67
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB1	8	0.67
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB2	8	0.67
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB3	8	0.67
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	6	0.67
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	6	0.67
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	6	0.67
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	7	0.67
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	9	0.67
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	9	0.67
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	9	0.67
(1,563)	1:472:A:GLU:HG2	1:511:A:HIS:HB3	7	0.67
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	5	0.67
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	5	0.67
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	2	0.67
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	2	0.67
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	2	0.67
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	2	0.67
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	4	0.67
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	4	0.67
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	4	0.67
(1,474)	1:504:A:LYS:HE2	1:513:A:ILE:HB	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:504:A:LYS:HE3	1:513:A:ILE:HB	8	0.67
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	8	0.67
(1,444)	1:498:A:THR:HA	1:499:A:PHE:HD2	6	0.67
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	8	0.67
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	1	0.67
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	1	0.67
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	1	0.67
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	6	0.67
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	6	0.67
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	10	0.67
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	10	0.67
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	5	0.66
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	5	0.66
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	5	0.66
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	5	0.66
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	5	0.66
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	5	0.66
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	8	0.66
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	8	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	10	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	10	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	10	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	10	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	10	0.66
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	10	0.66
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	4	0.66
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	4	0.66
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	4	0.66
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	4	0.66
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	4	0.66
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	4	0.66
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	7	0.66
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	4	0.66
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	4	0.66
(1,1797)	1:470:A:ARG:HD2	1:471:A:VAL:H	4	0.66
(1,1797)	1:470:A:ARG:HD3	1:471:A:VAL:H	4	0.66
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	2	0.66
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	2	0.66
(1,1724)	1:486:A:TRP:HE1	1:511:A:HIS:HA	9	0.66
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	7	0.66
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	7	0.66
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	1	0.66
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	1	0.66
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	1	0.66
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	1	0.66
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	2	0.66
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	6	0.66
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	6	0.66
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	6	0.66
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	7	0.66
(1,1286)	1:494:A:THR:H	1:503:A:PHE:HZ	10	0.66
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	3	0.66
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	3	0.66
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	3	0.66
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	3	0.66
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	6	0.66
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	6	0.66
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	6	0.66
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	7	0.66
(1,1108)	1:463:A:GLN:HE22	1:473:A:PHE:H	5	0.66
(1,1070)	1:493:A:LEU:H	1:503:A:PHE:HZ	6	0.66
(1,1050)	1:486:A:TRP:HE1	1:504:A:LYS:H	8	0.66
(1,980)	1:500:A:LYS:HB3	1:501:A:TYR:HE2	2	0.66
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG21	4	0.66
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG22	4	0.66
(1,926)	1:466:A:MET:HE1	1:540:A:VAL:HG23	4	0.66
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG21	4	0.66
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG22	4	0.66
(1,926)	1:466:A:MET:HE2	1:540:A:VAL:HG23	4	0.66
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG21	4	0.66
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG22	4	0.66
(1,926)	1:466:A:MET:HE3	1:540:A:VAL:HG23	4	0.66
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	1	0.66
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	1	0.66
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	1	0.66
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	6	0.66
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	6	0.66
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	6	0.66
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	8	0.66
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	8	0.66
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	8	0.66
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	4	0.66
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	4	0.66
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	8	0.66
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	8	0.66
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	8	0.66
(1,548)	1:487:A:LEU:HG	1:493:A:LEU:H	1	0.66
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	5	0.66
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	5	0.66
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	5	0.66
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	6	0.66
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	6	0.66
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	6	0.66
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	7	0.66
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	9	0.66
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	9	0.66
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	9	0.66
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	5	0.66
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	2	0.66
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	2	0.66
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	10	0.66
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	10	0.66
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	5	0.66
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	5	0.66
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	5	0.66
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	10	0.66
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	10	0.66
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	10	0.66
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	5	0.66
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	5	0.66
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	5	0.66
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	7	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	7	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	7	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	7	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	7	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	7	0.65
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	5	0.65
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	5	0.65
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	4	0.65
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	4	0.65
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB2	4	0.65
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB3	4	0.65
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	3	0.65
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	3	0.65
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	2	0.65
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	4	0.65
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	2	0.65
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	2	0.65
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	2	0.65
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	6	0.65
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	6	0.65
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	6	0.65
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	3	0.65
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	3	0.65
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	3	0.65
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	10	0.65
(1,1511)	1:463:A:GLN:HE22	1:472:A:GLU:HA	2	0.65
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	7	0.65
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	2	0.65
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	10	0.65
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	10	0.65
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	10	0.65
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	5	0.65
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	6	0.65
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	6	0.65
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	6	0.65
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	6	0.65
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	7	0.65
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	3	0.65
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	3	0.65
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	3	0.65
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	8	0.65
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	3	0.65
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	3	0.65
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	3	0.65
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	3	0.65
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	3	0.65
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	3	0.65
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	10	0.65
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	10	0.65
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	10	0.65
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	4	0.65
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	4	0.65
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	10	0.65
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	10	0.65
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	10	0.65
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	8	0.65
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	7	0.65
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	7	0.65
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	3	0.65
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	3	0.65
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	3	0.65
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	10	0.65
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	2	0.65
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	2	0.65
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	2	0.65
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	4	0.65
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	5	0.65
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	5	0.65
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	5	0.65
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	5	0.65
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	9	0.65
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	9	0.65
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	9	0.65
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	3	0.65
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	3	0.65
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	3	0.65
(1,421)	1:494:A:THR:HA	1:503:A:PHE:HE1	5	0.65
(1,411)	1:493:A:LEU:HB3	1:501:A:TYR:HD1	9	0.65
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	9	0.65
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	1	0.65
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	7	0.65
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	8	0.65
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	8	0.65
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	8	0.65
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	4	0.65
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	4	0.65
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	4	0.65
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	5	0.65
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	5	0.65
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	5	0.65
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	1	0.65
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	1	0.65
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	1	0.65
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	8	0.64
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	8	0.64
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	8	0.64
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	8	0.64
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	8	0.64
(1,2232)	1:506:A:ASP:HB2	1:509:A:ARG:HD2	10	0.64
(1,2232)	1:506:A:ASP:HB2	1:509:A:ARG:HD3	10	0.64
(1,2232)	1:506:A:ASP:HB3	1:509:A:ARG:HD2	10	0.64
(1,2232)	1:506:A:ASP:HB3	1:509:A:ARG:HD3	10	0.64
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	9	0.64
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	9	0.64
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	9	0.64
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	9	0.64
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	9	0.64
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	9	0.64
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	7	0.64
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	7	0.64
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	7	0.64
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	7	0.64
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	7	0.64
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	7	0.64
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	5	0.64
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	5	0.64
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	9	0.64
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	9	0.64
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	9	0.64
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	9	0.64
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	9	0.64
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	9	0.64
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	9	0.64
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	3	0.64
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	3	0.64
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	3	0.64
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	1	0.64
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	2	0.64
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	2	0.64
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	8	0.64
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	2	0.64
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	6	0.64
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	10	0.64
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	10	0.64
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	5	0.64
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	5	0.64
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	4	0.64
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	4	0.64
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	7	0.64
(1,1296)	1:501:A:TYR:H	1:501:A:TYR:HD2	6	0.64
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	5	0.64
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	5	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	3	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	3	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	3	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	9	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	9	0.64
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	9	0.64
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	1	0.64
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	4	0.64
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	2	0.64
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	2	0.64
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	2	0.64
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	2	0.64
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	2	0.64
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	2	0.64
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	2	0.64
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	2	0.64
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	2	0.64
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	3	0.64
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	3	0.64
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	3	0.64
(1,802)	1:454:A:VAL:HA	1:529:A:THR:HB	8	0.64
(1,744)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	3	0.64
(1,744)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	3	0.64
(1,744)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	3	0.64
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	8	0.64
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	8	0.64
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	8	0.64
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	8	0.64
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	8	0.64
(1,720)	1:514:A:ILE:HD11	1:521:A:ASP:HA	3	0.64
(1,720)	1:514:A:ILE:HD12	1:521:A:ASP:HA	3	0.64
(1,720)	1:514:A:ILE:HD13	1:521:A:ASP:HA	3	0.64
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	6	0.64
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	8	0.64
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	7	0.64
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	3	0.64
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	3	0.64
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	3	0.64
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	3	0.64
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	3	0.64
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	3	0.64
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	10	0.64
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	10	0.64
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	8	0.64
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	3	0.64
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	3	0.64
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	3	0.64
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	3	0.64
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	4	0.64
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	4	0.64
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	4	0.64
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	4	0.64
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	4	0.64
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	4	0.64
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	1	0.64
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	1	0.64
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	6	0.63
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	6	0.63
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	6	0.63
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	6	0.63
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	6	0.63
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	6	0.63
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	5	0.63
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	5	0.63
(1,2142)	1:487:A:LEU:HD11	1:492:A:GLU:HA	3	0.63
(1,2142)	1:487:A:LEU:HD12	1:492:A:GLU:HA	3	0.63
(1,2142)	1:487:A:LEU:HD13	1:492:A:GLU:HA	3	0.63
(1,2142)	1:487:A:LEU:HD21	1:492:A:GLU:HA	3	0.63
(1,2142)	1:487:A:LEU:HD22	1:492:A:GLU:HA	3	0.63
(1,2142)	1:487:A:LEU:HD23	1:492:A:GLU:HA	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:464:A:LEU:HD11	1:539:A:ILE:H	3	0.63
(1,2003)	1:464:A:LEU:HD12	1:539:A:ILE:H	3	0.63
(1,2003)	1:464:A:LEU:HD13	1:539:A:ILE:H	3	0.63
(1,2003)	1:464:A:LEU:HD21	1:539:A:ILE:H	3	0.63
(1,2003)	1:464:A:LEU:HD22	1:539:A:ILE:H	3	0.63
(1,2003)	1:464:A:LEU:HD23	1:539:A:ILE:H	3	0.63
(1,1965)	1:460:A:LEU:HD11	1:474:A:GLU:HA	8	0.63
(1,1965)	1:460:A:LEU:HD12	1:474:A:GLU:HA	8	0.63
(1,1965)	1:460:A:LEU:HD13	1:474:A:GLU:HA	8	0.63
(1,1965)	1:460:A:LEU:HD21	1:474:A:GLU:HA	8	0.63
(1,1965)	1:460:A:LEU:HD22	1:474:A:GLU:HA	8	0.63
(1,1965)	1:460:A:LEU:HD23	1:474:A:GLU:HA	8	0.63
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	2	0.63
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	4	0.63
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	8	0.63
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	2	0.63
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	2	0.63
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	2	0.63
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	1	0.63
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	7	0.63
(1,1500)	1:465:A:VAL:HG11	1:469:A:GLN:HE22	4	0.63
(1,1500)	1:465:A:VAL:HG12	1:469:A:GLN:HE22	4	0.63
(1,1500)	1:465:A:VAL:HG13	1:469:A:GLN:HE22	4	0.63
(1,1500)	1:465:A:VAL:HG21	1:469:A:GLN:HE22	4	0.63
(1,1500)	1:465:A:VAL:HG22	1:469:A:GLN:HE22	4	0.63
(1,1500)	1:465:A:VAL:HG23	1:469:A:GLN:HE22	4	0.63
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	10	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	7	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	7	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	7	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	7	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	7	0.63
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	7	0.63
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	3	0.63
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	3	0.63
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	9	0.63
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	9	0.63
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	1	0.63
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	3	0.63
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	1	0.63
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	1	0.63
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	4	0.63
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	1	0.63
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	1	0.63
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	1	0.63
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	9	0.63
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	9	0.63
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	9	0.63
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	1	0.63
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	1	0.63
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	1	0.63
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	7	0.63
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	7	0.63
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	7	0.63
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	7	0.63
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	7	0.63
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	7	0.63
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	3	0.63
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	3	0.63
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	3	0.63
(1,696)	1:519:A:LEU:HD21	1:542:A:GLU:HB3	3	0.63
(1,696)	1:519:A:LEU:HD22	1:542:A:GLU:HB3	3	0.63
(1,696)	1:519:A:LEU:HD23	1:542:A:GLU:HB3	3	0.63
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG2	4	0.63
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG3	4	0.63
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	2	0.63
(1,494)	1:509:A:ARG:HD2	1:511:A:HIS:HD2	9	0.63
(1,494)	1:509:A:ARG:HD3	1:511:A:HIS:HD2	9	0.63
(1,483)	1:500:A:LYS:HG2	1:501:A:TYR:HD2	4	0.63
(1,483)	1:500:A:LYS:HG3	1:501:A:TYR:HD2	4	0.63
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	5	0.63
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	3	0.63
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	3	0.63
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	1	0.63
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	1	0.63
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	1	0.63
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	10	0.63
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	6	0.63
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	6	0.63
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	6	0.63
(1,36)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	7	0.63
(1,36)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	7	0.63
(1,36)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	3	0.62
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	3	0.62
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	3	0.62
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	3	0.62
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	3	0.62
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	3	0.62
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	3	0.62
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	8	0.62
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	8	0.62
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	8	0.62
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	8	0.62
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	8	0.62
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	8	0.62
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	8	0.62
(1,1966)	1:460:A:LEU:HD11	1:475:A:CYS:H	8	0.62
(1,1966)	1:460:A:LEU:HD12	1:475:A:CYS:H	8	0.62
(1,1966)	1:460:A:LEU:HD13	1:475:A:CYS:H	8	0.62
(1,1966)	1:460:A:LEU:HD21	1:475:A:CYS:H	8	0.62
(1,1966)	1:460:A:LEU:HD22	1:475:A:CYS:H	8	0.62
(1,1966)	1:460:A:LEU:HD23	1:475:A:CYS:H	8	0.62
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	3	0.62
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	3	0.62
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	3	0.62
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	3	0.62
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	3	0.62
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	3	0.62
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB2	8	0.62
(1,1948)	1:457:A:THR:HG21	1:478:A:SER:HB3	8	0.62
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB2	8	0.62
(1,1948)	1:457:A:THR:HG22	1:478:A:SER:HB3	8	0.62
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB2	8	0.62
(1,1948)	1:457:A:THR:HG23	1:478:A:SER:HB3	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	7	0.62
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	7	0.62
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	2	0.62
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	2	0.62
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	2	0.62
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	7	0.62
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	3	0.62
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	3	0.62
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	3	0.62
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	7	0.62
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	6	0.62
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	8	0.62
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	6	0.62
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	2	0.62
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	6	0.62
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	8	0.62
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	2	0.62
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	2	0.62
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	5	0.62
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	1	0.62
(1,1373)	1:470:A:ARG:H	1:516:A:GLU:HA	7	0.62
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	10	0.62
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	8	0.62
(1,1274)	1:518:A:MET:HB2	1:520:A:GLU:H	9	0.62
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	9	0.62
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	9	0.62
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	9	0.62
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	6	0.62
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	8	0.62
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	8	0.62
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	2	0.62
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	4	0.62
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	4	0.62
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	4	0.62
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	7	0.62
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	7	0.62
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	7	0.62
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	8	0.62
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	8	0.62
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	8	0.62
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	1	0.62
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	4	0.62
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	4	0.62
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	4	0.62
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	4	0.62
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	9	0.62
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	9	0.62
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	9	0.62
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	9	0.62
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	9	0.62
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	9	0.62
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	10	0.62
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	10	0.62
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	10	0.62
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	10	0.62
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	4	0.62
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	4	0.62
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	4	0.62
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	3	0.62
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	3	0.62
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	3	0.62
(1,197)	1:470:A:ARG:HB2	1:513:A:ILE:HG13	4	0.62
(1,197)	1:470:A:ARG:HB3	1:513:A:ILE:HG13	4	0.62
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	8	0.62
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	8	0.62
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	6	0.62
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	6	0.62
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	6	0.62
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	6	0.62
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	6	0.62
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	6	0.62
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	6	0.62
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	6	0.62
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	6	0.62
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	4	0.62
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	4	0.62
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	4	0.62
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD21	3	0.62
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD22	3	0.62
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD23	3	0.62
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	10	0.61
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	10	0.61
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	10	0.61
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	10	0.61
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	10	0.61
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	3	0.61
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	3	0.61
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	3	0.61
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	3	0.61
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	3	0.61
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	3	0.61
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	4	0.61
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	4	0.61
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	8	0.61
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	8	0.61
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	8	0.61
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	8	0.61
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	8	0.61
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	8	0.61
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	10	0.61
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	10	0.61
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	10	0.61
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE21	2	0.61
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE22	2	0.61
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	2	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	10	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	10	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	10	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	10	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	10	0.61
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	10	0.61
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	5	0.61
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	3	0.61
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	3	0.61
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	7	0.61
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	7	0.61
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	1	0.61
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	1	0.61
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	1	0.61
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	3	0.61
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	3	0.61
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	2	0.61
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	2	0.61
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	2	0.61
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	2	0.61
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	2	0.61
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	6	0.61
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	8	0.61
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	8	0.61
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	8	0.61
(1,1215)	1:464:A:LEU:HG	1:465:A:VAL:H	6	0.61
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	5	0.61
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	5	0.61
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	5	0.61
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	5	0.61
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	2	0.61
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	4	0.61
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	5	0.61
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	5	0.61
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	5	0.61
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	9	0.61
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	9	0.61
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	9	0.61
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	5	0.61
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	5	0.61
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	5	0.61
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	9	0.61
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	9	0.61
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	9	0.61
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG11	5	0.61
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG12	5	0.61
(1,909)	1:519:A:LEU:HB2	1:540:A:VAL:HG13	5	0.61
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG2	6	0.61
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG3	6	0.61
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG2	6	0.61
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG3	6	0.61
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG2	6	0.61
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG3	6	0.61
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	8	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	8	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	8	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	8	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	10	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	10	0.61
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	6	0.61
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	6	0.61
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	6	0.61
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	8	0.61
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD11	3	0.61
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD12	3	0.61
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD13	3	0.61
(1,574)	1:473:A:PHE:HD1	1:512:A:LEU:HB3	4	0.61
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	10	0.61
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	2	0.61
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	4	0.61
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	4	0.61
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	4	0.61
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	6	0.61
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	6	0.61
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	6	0.61
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	6	0.61
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	6	0.61
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	6	0.61
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	6	0.61
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	8	0.61
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	8	0.61
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	8	0.61
(1,305)	1:487:A:LEU:HG	1:492:A:GLU:HA	5	0.61
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	1	0.61
(1,241)	1:473:A:PHE:HA	1:473:A:PHE:HE2	7	0.61
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	7	0.61
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	7	0.61
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	7	0.61
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	7	0.61
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	7	0.61
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	7	0.61
(1,174)	1:467:A:VAL:HG21	1:519:A:LEU:HA	7	0.61
(1,174)	1:467:A:VAL:HG22	1:519:A:LEU:HA	7	0.61
(1,174)	1:467:A:VAL:HG23	1:519:A:LEU:HA	7	0.61
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	4	0.61
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	4	0.61
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	4	0.61
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	6	0.61
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG2	9	0.6
(1,2263)	1:519:A:LEU:H	1:542:A:GLU:HG3	9	0.6
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	8	0.6
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	6	0.6
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	6	0.6
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	6	0.6
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	6	0.6
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	6	0.6
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	6	0.6
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	2	0.6
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	2	0.6
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD11	1:478:A:SER:HB3	3	0.6
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD12	1:478:A:SER:HB3	3	0.6
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD13	1:478:A:SER:HB3	3	0.6
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD21	1:478:A:SER:HB3	3	0.6
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD22	1:478:A:SER:HB3	3	0.6
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB2	3	0.6
(1,1940)	1:455:A:LEU:HD23	1:478:A:SER:HB3	3	0.6
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	10	0.6
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	10	0.6
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	10	0.6
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	3	0.6
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	3	0.6
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	3	0.6
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	4	0.6
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	4	0.6
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	7	0.6
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	5	0.6
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	5	0.6
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	2	0.6
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	2	0.6
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	2	0.6
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	2	0.6
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	2	0.6
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	2	0.6
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	10	0.6
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	10	0.6
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	10	0.6
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	3	0.6
(1,1034)	1:455:A:LEU:H	1:478:A:SER:HB2	4	0.6
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	4	0.6
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	4	0.6
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	4	0.6
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	4	0.6
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	4	0.6
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	4	0.6
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	3	0.6
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	3	0.6
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	3	0.6
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB1	6	0.6
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB2	6	0.6
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB3	6	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB1	6	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB2	6	0.6
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB3	6	0.6
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	1	0.6
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	7	0.6
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	9	0.6
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	7	0.6
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	7	0.6
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	7	0.6
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	7	0.6
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	7	0.6
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	7	0.6
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	8	0.6
(1,474)	1:504:A:LYS:HE2	1:513:A:ILE:HB	9	0.6
(1,474)	1:504:A:LYS:HE3	1:513:A:ILE:HB	9	0.6
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	5	0.6
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	1	0.6
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	1	0.6
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	1	0.6
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	2	0.6
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	5	0.6
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	5	0.6
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	6	0.6
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	6	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	6	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	6	0.6
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	6	0.6
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	1	0.6
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	1	0.6
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	1	0.6
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	1	0.6
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	1	0.6
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	1	0.6
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	10	0.6
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	10	0.6
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	10	0.6
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	5	0.6
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	3	0.6
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	10	0.59
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	10	0.59
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	6	0.59
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	6	0.59
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	7	0.59
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	7	0.59
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	7	0.59
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	7	0.59
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	7	0.59
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	7	0.59
(1,2081)	1:475:A:CYS:HB2	1:527:A:LEU:HG	10	0.59
(1,2081)	1:475:A:CYS:HB3	1:527:A:LEU:HG	10	0.59
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	9	0.59
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	9	0.59
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	9	0.59
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	9	0.59
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	9	0.59
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	9	0.59
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	3	0.59
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	3	0.59
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	1	0.59
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	1	0.59
(1,1888)	1:527:A:LEU:H	1:535:A:LEU:H	2	0.59
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	10	0.59
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	5	0.59
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	9	0.59
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	9	0.59
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	10	0.59
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	10	0.59
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	10	0.59
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	10	0.59
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	10	0.59
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	10	0.59
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	3	0.59
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	5	0.59
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	7	0.59
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD2	7	0.59
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD3	7	0.59
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	1	0.59
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	1	0.59
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	2	0.59
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	1	0.59
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	1	0.59
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	1	0.59
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	1	0.59
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	1	0.59
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	1	0.59
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	1	0.59
(1,1282)	1:494:A:THR:H	1:495:A:ARG:HD3	6	0.59
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	7	0.59
(1,1183)	1:467:A:VAL:HA	1:519:A:LEU:H	5	0.59
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	1	0.59
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	8	0.59
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	2	0.59
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	4	0.59
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	8	0.59
(1,1034)	1:455:A:LEU:H	1:478:A:SER:HB2	9	0.59
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	2	0.59
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	2	0.59
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	2	0.59
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	3	0.59
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	4	0.59
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	4	0.59
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	4	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	4	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	4	0.59
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	4	0.59
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	4	0.59
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	4	0.59
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	4	0.59
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	4	0.59
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	4	0.59
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	4	0.59
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	4	0.59
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	4	0.59
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	4	0.59
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	4	0.59
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	4	0.59
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	2	0.59
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	2	0.59
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	2	0.59
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	2	0.59
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	2	0.59
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	2	0.59
(1,706)	1:519:A:LEU:HD11	1:540:A:VAL:HB	9	0.59
(1,706)	1:519:A:LEU:HD12	1:540:A:VAL:HB	9	0.59
(1,706)	1:519:A:LEU:HD13	1:540:A:VAL:HB	9	0.59
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	7	0.59
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	9	0.59
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	10	0.59
(1,568)	1:503:A:PHE:HD2	1:512:A:LEU:HA	2	0.59
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	7	0.59
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	9	0.59
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	9	0.59
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	3	0.59
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	3	0.59
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	3	0.59
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	1	0.59
(1,378)	1:487:A:LEU:HB2	1:492:A:GLU:HA	9	0.59
(1,305)	1:487:A:LEU:HG	1:492:A:GLU:HA	9	0.59
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	10	0.59
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	5	0.59
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	8	0.59
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	8	0.59
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	8	0.59
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	8	0.59
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	8	0.59
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	10	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	10	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	10	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	10	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	10	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	10	0.58
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB2	9	0.58
(1,2258)	1:517:A:ALA:H	1:521:A:ASP:HB3	9	0.58
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	1	0.58
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	1	0.58
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	1	0.58
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	1	0.58
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	5	0.58
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	5	0.58
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	5	0.58
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	5	0.58
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	5	0.58
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	5	0.58
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	3	0.58
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	3	0.58
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	3	0.58
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	3	0.58
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	3	0.58
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	3	0.58
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	3	0.58
(1,1984)	1:460:A:LEU:HD11	1:535:A:LEU:H	2	0.58
(1,1984)	1:460:A:LEU:HD12	1:535:A:LEU:H	2	0.58
(1,1984)	1:460:A:LEU:HD13	1:535:A:LEU:H	2	0.58
(1,1984)	1:460:A:LEU:HD21	1:535:A:LEU:H	2	0.58
(1,1984)	1:460:A:LEU:HD22	1:535:A:LEU:H	2	0.58
(1,1984)	1:460:A:LEU:HD23	1:535:A:LEU:H	2	0.58
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	8	0.58
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	8	0.58
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	8	0.58
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	8	0.58
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	8	0.58
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	10	0.58
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	10	0.58
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	10	0.58
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	10	0.58
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	7	0.58
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	5	0.58
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	5	0.58
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	4	0.58
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	4	0.58
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	1	0.58
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	4	0.58
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	4	0.58
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	4	0.58
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	10	0.58
(1,1562)	1:465:A:VAL:H	1:540:A:VAL:H	8	0.58
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	4	0.58
(1,1449)	1:479:A:GLU:H	1:508:A:GLN:HE21	7	0.58
(1,1425)	1:461:A:GLU:HB3	1:537:A:GLU:H	3	0.58
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	7	0.58
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	7	0.58
(1,1318)	1:479:A:GLU:HA	1:508:A:GLN:HE22	5	0.58
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	1	0.58
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	1	0.58
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	1	0.58
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	4	0.58
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	4	0.58
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	4	0.58
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	4	0.58
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	7	0.58
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	2	0.58
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	5	0.58
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	6	0.58
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE1	8	0.58
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE2	8	0.58
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE3	8	0.58
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	9	0.58
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	9	0.58
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	9	0.58
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	9	0.58
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	9	0.58
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	9	0.58
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	9	0.58
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	9	0.58
(1,951)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	7	0.58
(1,951)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	7	0.58
(1,951)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	7	0.58
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	3	0.58
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	3	0.58
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	3	0.58
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	7	0.58
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	7	0.58
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	7	0.58
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	9	0.58
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	9	0.58
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	9	0.58
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	10	0.58
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	10	0.58
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	10	0.58
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	6	0.58
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	6	0.58
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	6	0.58
(1,530)	1:461:A:GLU:HB2	1:473:A:PHE:HB2	5	0.58
(1,530)	1:461:A:GLU:HB2	1:473:A:PHE:HB2	9	0.58
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	6	0.58
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	6	0.58
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	6	0.58
(1,483)	1:500:A:LYS:HG2	1:501:A:TYR:HD2	2	0.58
(1,483)	1:500:A:LYS:HG3	1:501:A:TYR:HD2	2	0.58
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	6	0.58
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	6	0.58
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	6	0.58
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	10	0.58
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	10	0.58
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	10	0.58
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	10	0.58
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	10	0.58
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	10	0.58
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	6	0.58
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	6	0.58
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	6	0.58
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB1	3	0.58
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB2	3	0.58
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB3	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	4	0.58
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	4	0.58
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	4	0.58
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	6	0.58
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	6	0.58
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	6	0.58
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	4	0.58
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	4	0.58
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	2	0.58
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	2	0.58
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	2	0.58
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	9	0.57
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	9	0.57
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	9	0.57
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	9	0.57
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	9	0.57
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	9	0.57
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	4	0.57
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	4	0.57
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	2	0.57
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	2	0.57
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	3	0.57
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	3	0.57
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	3	0.57
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	3	0.57
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	3	0.57
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	3	0.57
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	5	0.57
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	5	0.57
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	10	0.57
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	10	0.57
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	7	0.57
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	7	0.57
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	7	0.57
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	7	0.57
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	7	0.57
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	7	0.57
(1,1906)	1:466:A:MET:HG2	1:541:A:GLN:H	7	0.57
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	6	0.57
(1,1845)	1:487:A:LEU:HB2	1:526:A:ALA:H	9	0.57
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	6	0.57
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	4	0.57
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	2	0.57
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	1	0.57
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	1	0.57
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	6	0.57
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	6	0.57
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	8	0.57
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	7	0.57
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	6	0.57
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	6	0.57
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	6	0.57
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	2	0.57
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	2	0.57
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	2	0.57
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	9	0.57
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	9	0.57
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	9	0.57
(1,1529)	1:506:A:ASP:H	1:511:A:HIS:HD2	8	0.57
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	9	0.57
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	7	0.57
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	8	0.57
(1,1458)	1:470:A:ARG:HA	1:516:A:GLU:H	5	0.57
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	3	0.57
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	1	0.57
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	1	0.57
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	1	0.57
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	5	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	2	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	2	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	2	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	7	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	7	0.57
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	7	0.57
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	10	0.57
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	8	0.57
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	2	0.57
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	2	0.57
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	2	0.57
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	10	0.57
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	10	0.57
(1,1066)	1:486:A:TRP:HB3	1:493:A:LEU:H	8	0.57
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	6	0.57
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	5	0.57
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	5	0.57
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	5	0.57
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	5	0.57
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	5	0.57
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	5	0.57
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	5	0.57
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	5	0.57
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	5	0.57
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	4	0.57
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	1	0.57
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	1	0.57
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	1	0.57
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	5	0.57
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	8	0.57
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	3	0.57
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	4	0.57
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	2	0.57
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	2	0.57
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	2	0.57
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	4	0.57
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	4	0.57
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	4	0.57
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	1	0.57
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	1	0.57
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	1	0.57
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	1	0.57
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG2	5	0.57
(1,111)	1:487:A:LEU:HG	1:492:A:GLU:HG3	5	0.57
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	8	0.57
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	8	0.57
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	8	0.57
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB2	2	0.56
(1,2203)	1:501:A:TYR:HE2	1:521:A:ASP:HB3	2	0.56
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	7	0.56
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	7	0.56
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	7	0.56
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	7	0.56
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	10	0.56
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	10	0.56
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	10	0.56
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	10	0.56
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	10	0.56
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	4	0.56
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	4	0.56
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	4	0.56
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	4	0.56
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	4	0.56
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	4	0.56
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	4	0.56
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	4	0.56
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	1	0.56
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	4	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	5	0.56
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	5	0.56
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	2	0.56
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	7	0.56
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	9	0.56
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	9	0.56
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	3	0.56
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	3	0.56
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	3	0.56
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	5	0.56
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	5	0.56
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	5	0.56
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	6	0.56
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	6	0.56
(1,1630)	1:467:A:VAL:H	1:541:A:GLN:HA	7	0.56
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	1	0.56
(1,1561)	1:523:A:GLY:H	1:540:A:VAL:H	5	0.56
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	2	0.56
(1,1533)	1:505:A:LYS:HD2	1:506:A:ASP:H	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:505:A:LYS:HD3	1:506:A:ASP:H	9	0.56
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	5	0.56
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	1	0.56
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	1	0.56
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	8	0.56
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	8	0.56
(1,1449)	1:479:A:GLU:H	1:508:A:GLN:HE21	3	0.56
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	8	0.56
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	8	0.56
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	8	0.56
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	3	0.56
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	3	0.56
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	3	0.56
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	9	0.56
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	9	0.56
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	9	0.56
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	9	0.56
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	9	0.56
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	9	0.56
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	1	0.56
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	1	0.56
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	1	0.56
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	3	0.56
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	8	0.56
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	8	0.56
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	8	0.56
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	10	0.56
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	10	0.56
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	10	0.56
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	5	0.56
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	5	0.56
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	5	0.56
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	10	0.56
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	10	0.56
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	10	0.56
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	10	0.56
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	10	0.56
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	10	0.56
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	10	0.56
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	10	0.56
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	10	0.56
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	5	0.56
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	4	0.56
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	4	0.56
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	4	0.56
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	1	0.56
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	1	0.56
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	1	0.56
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	1	0.56
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	1	0.56
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	1	0.56
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	9	0.56
(1,474)	1:504:A:LYS:HE2	1:513:A:ILE:HB	3	0.56
(1,474)	1:504:A:LYS:HE3	1:513:A:ILE:HB	3	0.56
(1,399)	1:529:A:THR:H	1:532:A:GLY:HA3	5	0.56
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD21	8	0.56
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD22	8	0.56
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD23	8	0.56
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD21	8	0.56
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD22	8	0.56
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD23	8	0.56
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	9	0.56
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	9	0.56
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	9	0.56
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	2	0.56
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	8	0.56
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	8	0.56
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	8	0.56
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	4	0.56
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	4	0.56
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	4	0.56
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	1	0.55
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	1	0.55
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	1	0.55
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	1	0.55
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	1	0.55
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	1	0.55
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	8	0.55
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	8	0.55
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	8	0.55
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	8	0.55
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	8	0.55
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	1	0.55
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	1	0.55
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	1	0.55
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	1	0.55
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	1	0.55
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	1	0.55
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	1	0.55
(1,1906)	1:466:A:MET:HG2	1:541:A:GLN:H	9	0.55
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	3	0.55
(1,1823)	1:514:A:ILE:HG12	1:516:A:GLU:H	6	0.55
(1,1797)	1:470:A:ARG:HD2	1:471:A:VAL:H	6	0.55
(1,1797)	1:470:A:ARG:HD3	1:471:A:VAL:H	6	0.55
(1,1777)	1:500:A:LYS:H	1:500:A:LYS:HG2	4	0.55
(1,1777)	1:500:A:LYS:H	1:500:A:LYS:HG3	4	0.55
(1,1726)	1:487:A:LEU:H	1:493:A:LEU:HB2	1	0.55
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	1	0.55
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	1	0.55
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	1	0.55
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	10	0.55
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	10	0.55
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	4	0.55
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	3	0.55
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	3	0.55
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	9	0.55
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	10	0.55
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	4	0.55
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	4	0.55
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	4	0.55
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	6	0.55
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	4	0.55
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	3	0.55
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	6	0.55
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	10	0.55
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	5	0.55
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	5	0.55
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	10	0.55
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	10	0.55
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	10	0.55
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	6	0.55
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	1	0.55
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	1	0.55
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	1	0.55
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	1	0.55
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	1	0.55
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	7	0.55
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	7	0.55
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	7	0.55
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	2	0.55
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	2	0.55
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	2	0.55
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	2	0.55
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	2	0.55
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	2	0.55
(1,479)	1:500:A:LYS:HA	1:500:A:LYS:HE3	6	0.55
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	1	0.55
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	3	0.55
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	3	0.55
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	3	0.55
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	3	0.55
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	3	0.55
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	3	0.55
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	6	0.55
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	3	0.55
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	3	0.55
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	3	0.55
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	3	0.55
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	3	0.55
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	3	0.55
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	3	0.55
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	3	0.55
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	3	0.55
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	7	0.55
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	7	0.55
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	7	0.55
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	4	0.54
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	4	0.54
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	3	0.54
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	3	0.54
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	4	0.54
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	4	0.54
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	4	0.54
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	4	0.54
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	4	0.54
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	4	0.54
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	4	0.54
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	4	0.54
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	4	0.54
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	4	0.54
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	4	0.54
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	2	0.54
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	2	0.54
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	8	0.54
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	8	0.54
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	8	0.54
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	8	0.54
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	8	0.54
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	8	0.54
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	2	0.54
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	5	0.54
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	5	0.54
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	5	0.54
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	5	0.54
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	5	0.54
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	5	0.54
(1,1986)	1:460:A:LEU:HD11	1:536:A:ALA:H	6	0.54
(1,1986)	1:460:A:LEU:HD12	1:536:A:ALA:H	6	0.54
(1,1986)	1:460:A:LEU:HD13	1:536:A:ALA:H	6	0.54
(1,1986)	1:460:A:LEU:HD21	1:536:A:ALA:H	6	0.54
(1,1986)	1:460:A:LEU:HD22	1:536:A:ALA:H	6	0.54
(1,1986)	1:460:A:LEU:HD23	1:536:A:ALA:H	6	0.54
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	5	0.54
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	5	0.54
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	5	0.54
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	5	0.54
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	5	0.54
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	5	0.54
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	7	0.54
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	7	0.54
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:527:A:LEU:H	1:535:A:LEU:H	7	0.54
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	3	0.54
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	2	0.54
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	2	0.54
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	2	0.54
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	10	0.54
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	10	0.54
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	10	0.54
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	10	0.54
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	6	0.54
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	6	0.54
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	5	0.54
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	3	0.54
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	8	0.54
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	8	0.54
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	2	0.54
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	2	0.54
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	2	0.54
(1,1472)	1:484:A:VAL:HB	1:530:A:SER:H	9	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	5	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	5	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	5	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	5	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	5	0.54
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	5	0.54
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	8	0.54
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	5	0.54
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	2	0.54
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	3	0.54
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	7	0.54
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	4	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	1	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	1	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	1	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	2	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	2	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	2	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	3	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	3	0.54
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	3	0.54
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	8	0.54
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	8	0.54
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	8	0.54
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	8	0.54
(1,896)	1:539:A:ILE:HG21	1:541:A:GLN:HE22	4	0.54
(1,896)	1:539:A:ILE:HG22	1:541:A:GLN:HE22	4	0.54
(1,896)	1:539:A:ILE:HG23	1:541:A:GLN:HE22	4	0.54
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	10	0.54
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	10	0.54
(1,801)	1:454:A:VAL:HG11	1:529:A:THR:HB	6	0.54
(1,801)	1:454:A:VAL:HG12	1:529:A:THR:HB	6	0.54
(1,801)	1:454:A:VAL:HG13	1:529:A:THR:HB	6	0.54
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	8	0.54
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	8	0.54
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	8	0.54
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	10	0.54
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	1	0.54
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	4	0.54
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	8	0.54
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	7	0.54
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	9	0.54
(1,545)	1:476:A:GLU:HG3	1:509:A:ARG:HA	5	0.54
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	6	0.54
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	6	0.54
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	6	0.54
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	6	0.54
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	6	0.54
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	6	0.54
(1,484)	1:501:A:TYR:HA	1:512:A:LEU:HD21	10	0.54
(1,484)	1:501:A:TYR:HA	1:512:A:LEU:HD22	10	0.54
(1,484)	1:501:A:TYR:HA	1:512:A:LEU:HD23	10	0.54
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	5	0.54
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	5	0.54
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	5	0.54
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	5	0.54
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	5	0.54
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	5	0.54
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	10	0.54
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	10	0.54
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	10	0.54
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	10	0.54
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	10	0.54
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:487:A:LEU:HD11	1:492:A:GLU:HG2	9	0.54
(1,387)	1:487:A:LEU:HD11	1:492:A:GLU:HG3	9	0.54
(1,387)	1:487:A:LEU:HD12	1:492:A:GLU:HG2	9	0.54
(1,387)	1:487:A:LEU:HD12	1:492:A:GLU:HG3	9	0.54
(1,387)	1:487:A:LEU:HD13	1:492:A:GLU:HG2	9	0.54
(1,387)	1:487:A:LEU:HD13	1:492:A:GLU:HG3	9	0.54
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	3	0.54
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	3	0.54
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	8	0.54
(1,202)	1:458:A:ARG:HD2	1:459:A:PRO:HA	7	0.54
(1,202)	1:458:A:ARG:HD3	1:459:A:PRO:HA	7	0.54
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	1	0.54
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	1	0.54
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	10	0.54
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	10	0.54
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	10	0.54
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	8	0.54
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	8	0.54
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	8	0.54
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	10	0.54
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	10	0.54
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	10	0.54
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	10	0.54
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	10	0.54
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	10	0.54
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	10	0.54
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	10	0.54
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	10	0.54
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	9	0.54
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	9	0.54
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	9	0.54
(1,4)	1:456:A:ILE:HG21	1:459:A:PRO:HA	6	0.54
(1,4)	1:456:A:ILE:HG22	1:459:A:PRO:HA	6	0.54
(1,4)	1:456:A:ILE:HG23	1:459:A:PRO:HA	6	0.54
(1,4)	1:456:A:ILE:HG21	1:459:A:PRO:HA	8	0.54
(1,4)	1:456:A:ILE:HG22	1:459:A:PRO:HA	8	0.54
(1,4)	1:456:A:ILE:HG23	1:459:A:PRO:HA	8	0.54
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	5	0.53
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	5	0.53
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	5	0.53
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	5	0.53
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	5	0.53
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	4	0.53
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	4	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	8	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	8	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	8	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	8	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	8	0.53
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	8	0.53
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	7	0.53
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	7	0.53
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	4	0.53
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	4	0.53
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	10	0.53
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	10	0.53
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	10	0.53
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	10	0.53
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	10	0.53
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	10	0.53
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	10	0.53
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	10	0.53
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	10	0.53
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	10	0.53
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	10	0.53
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	10	0.53
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	10	0.53
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	10	0.53
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	9	0.53
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	9	0.53
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	9	0.53
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	8	0.53
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	8	0.53
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	2	0.53
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	5	0.53
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	3	0.53
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	3	0.53
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	10	0.53
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	7	0.53
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	9	0.53
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	4	0.53
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	9	0.53
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	10	0.53
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	7	0.53
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	7	0.53
(1,1493)	1:465:A:VAL:HG11	1:469:A:GLN:HE21	4	0.53
(1,1493)	1:465:A:VAL:HG12	1:469:A:GLN:HE21	4	0.53
(1,1493)	1:465:A:VAL:HG13	1:469:A:GLN:HE21	4	0.53
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	3	0.53
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	3	0.53
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	9	0.53
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	2	0.53
(1,1306)	1:480:A:GLU:HB2	1:507:A:GLY:H	4	0.53
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	4	0.53
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	6	0.53
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	6	0.53
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	6	0.53
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	4	0.53
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	6	0.53
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	6	0.53
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	6	0.53
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	6	0.53
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	6	0.53
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	6	0.53
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	6	0.53
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	2	0.53
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	2	0.53
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	7	0.53
(1,616)	1:471:A:VAL:HB	1:514:A:ILE:HB	6	0.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD11	1	0.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD12	1	0.53
(1,599)	1:504:A:LYS:HE2	1:513:A:ILE:HD13	1	0.53
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD11	1	0.53
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD12	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:504:A:LYS:HE3	1:513:A:ILE:HD13	1	0.53
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD11	1	0.53
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD12	1	0.53
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD13	1	0.53
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD11	7	0.53
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD12	7	0.53
(1,593)	1:512:A:LEU:HA	1:513:A:ILE:HD13	7	0.53
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB1	1	0.53
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB2	1	0.53
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB3	1	0.53
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	9	0.53
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	2	0.53
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	5	0.53
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	5	0.53
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	5	0.53
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	5	0.53
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	6	0.52
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	6	0.52
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	6	0.52
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	6	0.52
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	6	0.52
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	6	0.52
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	6	0.52
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	6	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	10	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	10	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	10	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	10	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	10	0.52
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	10	0.52
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	10	0.52
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	9	0.52
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	9	0.52
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	6	0.52
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	6	0.52
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	3	0.52
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	3	0.52
(1,1842)	1:488:A:LYS:HA	1:526:A:ALA:H	1	0.52
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	3	0.52
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	6	0.52
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	1	0.52
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	1	0.52
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	3	0.52
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	3	0.52
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	3	0.52
(1,1741)	1:495:A:ARG:H	1:496:A:GLU:HG2	5	0.52
(1,1741)	1:495:A:ARG:H	1:496:A:GLU:HG3	5	0.52
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	3	0.52
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	7	0.52
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	7	0.52
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	7	0.52
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	1	0.52
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	1	0.52
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	1	0.52
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	6	0.52
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	9	0.52
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	1	0.52
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	4	0.52
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	9	0.52
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	6	0.52
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	10	0.52
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	6	0.52
(1,977)	1:500:A:LYS:HD2	1:501:A:TYR:HE1	8	0.52
(1,977)	1:500:A:LYS:HD3	1:501:A:TYR:HE1	8	0.52
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	2	0.52
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	2	0.52
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	2	0.52
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	2	0.52
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	7	0.52
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	9	0.52
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	9	0.52
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	9	0.52
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	9	0.52
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	10	0.52
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	10	0.52
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	10	0.52
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	10	0.52
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	10	0.52
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG21	8	0.52
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG22	8	0.52
(1,414)	1:527:A:LEU:HD11	1:529:A:THR:HG23	8	0.52
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG21	8	0.52
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG22	8	0.52
(1,414)	1:527:A:LEU:HD12	1:529:A:THR:HG23	8	0.52
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG21	8	0.52
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG22	8	0.52
(1,414)	1:527:A:LEU:HD13	1:529:A:THR:HG23	8	0.52
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	7	0.52
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	7	0.52
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	7	0.52
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	7	0.52
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD21	7	0.52
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD22	7	0.52
(1,356)	1:485:A:LYS:HD2	1:487:A:LEU:HD23	7	0.52
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD21	7	0.52
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD22	7	0.52
(1,356)	1:485:A:LYS:HD3	1:487:A:LEU:HD23	7	0.52
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	6	0.52
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	6	0.52
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	6	0.52
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	6	0.52
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	6	0.52
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	6	0.52
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	6	0.52
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	6	0.52
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	1	0.52
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	1	0.52
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	1	0.52
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	8	0.52
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	8	0.52
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	8	0.52
(1,47)	1:456:A:ILE:HD11	1:527:A:LEU:HA	10	0.52
(1,47)	1:456:A:ILE:HD12	1:527:A:LEU:HA	10	0.52
(1,47)	1:456:A:ILE:HD13	1:527:A:LEU:HA	10	0.52
(1,3)	1:456:A:ILE:HD11	1:459:A:PRO:HA	6	0.52
(1,3)	1:456:A:ILE:HD12	1:459:A:PRO:HA	6	0.52
(1,3)	1:456:A:ILE:HD13	1:459:A:PRO:HA	6	0.52
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	9	0.51
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	9	0.51
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	9	0.51
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	9	0.51
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	9	0.51
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	3	0.51
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	3	0.51
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	3	0.51
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	3	0.51
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	3	0.51
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	3	0.51
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	7	0.51
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	7	0.51
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	7	0.51
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	7	0.51
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	5	0.51
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	5	0.51
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	5	0.51
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	5	0.51
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	5	0.51
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	5	0.51
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	7	0.51
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	5	0.51
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	5	0.51
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	5	0.51
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	4	0.51
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	6	0.51
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	2	0.51
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	4	0.51
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	10	0.51
(1,1805)	1:466:A:MET:HA	1:542:A:GLU:H	7	0.51
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	10	0.51
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	8	0.51
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	4	0.51
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	4	0.51
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	4	0.51
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	10	0.51
(1,1730)	1:490:A:GLY:H	1:524:A:HIS:H	5	0.51
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	6	0.51
(1,1670)	1:475:A:CYS:H	1:486:A:TRP:HZ2	1	0.51
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	3	0.51
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	2	0.51
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	4	0.51
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	4	0.51
(1,1479)	1:459:A:PRO:HG2	1:460:A:LEU:H	5	0.51
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	10	0.51
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	3	0.51
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	3	0.51
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	3	0.51
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	2	0.51
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	4	0.51
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	5	0.51
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	5	0.51
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	9	0.51
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	9	0.51
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	9	0.51
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD11	4	0.51
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD12	4	0.51
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD13	4	0.51
(1,742)	1:473:A:PHE:HE1	1:525:A:TYR:HB3	6	0.51
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	4	0.51
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	4	0.51
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	4	0.51
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	4	0.51
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	4	0.51
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	4	0.51
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	6	0.51
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG21	7	0.51
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG22	7	0.51
(1,717)	1:520:A:GLU:HA	1:540:A:VAL:HG23	7	0.51
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	2	0.51
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	5	0.51
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	5	0.51
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	5	0.51
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	8	0.51
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	8	0.51
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	8	0.51
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	5	0.51
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	5	0.51
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	5	0.51
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	5	0.51
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	5	0.51
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	5	0.51
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	5	0.51
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	1	0.51
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	3	0.51
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	9	0.51
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	9	0.51
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	9	0.51
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	3	0.51
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	3	0.51
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG2	7	0.51
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG3	7	0.51
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	10	0.51
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	10	0.51
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	10	0.51
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	10	0.51
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	10	0.51
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	10	0.51
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	7	0.51
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	7	0.51
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	7	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	7	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	7	0.51
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	7	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	7	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	7	0.51
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	7	0.51
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	4	0.5
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	4	0.5
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	4	0.5
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	4	0.5
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	4	0.5
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	4	0.5
(1,2062)	1:471:A:VAL:HG11	1:538:A:LEU:HG	8	0.5
(1,2062)	1:471:A:VAL:HG12	1:538:A:LEU:HG	8	0.5
(1,2062)	1:471:A:VAL:HG13	1:538:A:LEU:HG	8	0.5
(1,2062)	1:471:A:VAL:HG21	1:538:A:LEU:HG	8	0.5
(1,2062)	1:471:A:VAL:HG22	1:538:A:LEU:HG	8	0.5
(1,2062)	1:471:A:VAL:HG23	1:538:A:LEU:HG	8	0.5
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	9	0.5
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	9	0.5
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	9	0.5
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	9	0.5
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	9	0.5
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG2	3	0.5
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG3	3	0.5
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG2	9	0.5
(1,2034)	1:467:A:VAL:HG11	1:518:A:MET:HG3	9	0.5
(1,2034)	1:467:A:VAL:HG12	1:518:A:MET:HG3	9	0.5
(1,2034)	1:467:A:VAL:HG13	1:518:A:MET:HG3	9	0.5
(1,2034)	1:467:A:VAL:HG21	1:518:A:MET:HG3	9	0.5
(1,2034)	1:467:A:VAL:HG22	1:518:A:MET:HG3	9	0.5
(1,2034)	1:467:A:VAL:HG23	1:518:A:MET:HG3	9	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	6	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	6	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	6	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	6	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	6	0.5
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	6	0.5
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	7	0.5
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	7	0.5
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	5	0.5
(1,1900)	1:466:A:MET:HA	1:543:A:LYS:H	8	0.5
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	1	0.5
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	6	0.5
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	2	0.5
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	2	0.5
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	5	0.5
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	1	0.5
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	6	0.5
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	6	0.5
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	6	0.5
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	3	0.5
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	3	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	6	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	6	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	6	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	9	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	9	0.5
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	9	0.5
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	8	0.5
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	2	0.5
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	2	0.5
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	9	0.5
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	2	0.5
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	3	0.5
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	3	0.5
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	3	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	4	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	10	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	10	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	10	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	10	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	10	0.5
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	10	0.5
(1,1333)	1:484:A:VAL:HG11	1:531:A:GLY:H	3	0.5
(1,1333)	1:484:A:VAL:HG12	1:531:A:GLY:H	3	0.5
(1,1333)	1:484:A:VAL:HG13	1:531:A:GLY:H	3	0.5
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	3	0.5
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	10	0.5
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	10	0.5
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	10	0.5
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	9	0.5
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	6	0.5
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	6	0.5
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	3	0.5
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	3	0.5
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG21	8	0.5
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG22	8	0.5
(1,932)	1:521:A:ASP:HA	1:540:A:VAL:HG23	8	0.5
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	1	0.5
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	1	0.5
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	1	0.5
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	6	0.5
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	6	0.5
(1,673)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	8	0.5
(1,673)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	8	0.5
(1,673)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	8	0.5
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	1	0.5
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	10	0.5
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	5	0.5
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	5	0.5
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	5	0.5
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	5	0.5
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	5	0.5
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	5	0.5
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	8	0.5
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	8	0.5
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	8	0.5
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	8	0.5
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	8	0.5
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	8	0.5
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	1	0.5
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	1	0.5
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	1	0.5
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	1	0.5
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	5	0.5
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	5	0.5
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	5	0.5
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	5	0.5
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	5	0.5
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	5	0.5
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	5	0.5
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	5	0.5
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	9	0.5
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	8	0.5
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	8	0.5
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	8	0.5
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	8	0.5
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	8	0.5
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	8	0.5
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	8	0.5
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	8	0.5
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	9	0.5
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	9	0.5
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	9	0.5
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	9	0.5
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	9	0.5
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	9	0.5
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	9	0.5
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	9	0.5
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	9	0.5
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	9	0.5
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	9	0.5
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	9	0.5
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	7	0.5
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	7	0.5
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	7	0.5
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	3	0.49
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	3	0.49
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	3	0.49
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	3	0.49
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	3	0.49
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	3	0.49
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	6	0.49
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	6	0.49
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	6	0.49
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	6	0.49
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	6	0.49
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	6	0.49
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	5	0.49
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	5	0.49
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	5	0.49
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	5	0.49
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB2	9	0.49
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB3	9	0.49
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	2	0.49
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	2	0.49
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	2	0.49
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	2	0.49
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	2	0.49
(1,2056)	1:471:A:VAL:HG11	1:513:A:ILE:HA	7	0.49
(1,2056)	1:471:A:VAL:HG12	1:513:A:ILE:HA	7	0.49
(1,2056)	1:471:A:VAL:HG13	1:513:A:ILE:HA	7	0.49
(1,2056)	1:471:A:VAL:HG21	1:513:A:ILE:HA	7	0.49
(1,2056)	1:471:A:VAL:HG22	1:513:A:ILE:HA	7	0.49
(1,2056)	1:471:A:VAL:HG23	1:513:A:ILE:HA	7	0.49
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	7	0.49
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	7	0.49
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	7	0.49
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	7	0.49
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	7	0.49
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	7	0.49
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	7	0.49
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	7	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD11	5	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD12	5	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD13	5	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD21	5	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD22	5	0.49
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD23	5	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	9	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	9	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	9	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	9	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	9	0.49
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	9	0.49
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	4	0.49
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	4	0.49
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	4	0.49
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	4	0.49
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	4	0.49
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	6	0.49
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	6	0.49
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	6	0.49
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	6	0.49
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	6	0.49
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	6	0.49
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	4	0.49
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	4	0.49
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	4	0.49
(1,1897)	1:541:A:GLN:HE21	1:543:A:LYS:H	9	0.49
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	1	0.49
(1,1819)	1:513:A:ILE:HG21	1:514:A:ILE:H	7	0.49
(1,1819)	1:513:A:ILE:HG22	1:514:A:ILE:H	7	0.49
(1,1819)	1:513:A:ILE:HG23	1:514:A:ILE:H	7	0.49
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	2	0.49
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	2	0.49
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	2	0.49
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	10	0.49
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	10	0.49
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	10	0.49
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	1	0.49
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	10	0.49
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	1	0.49
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	3	0.49
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	5	0.49
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	7	0.49
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	3	0.49
(1,1449)	1:479:A:GLU:H	1:508:A:GLN:HE21	6	0.49
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	5	0.49
(1,1398)	1:476:A:GLU:HG2	1:510:A:HIS:H	3	0.49
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	8	0.49
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	8	0.49
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	8	0.49
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	9	0.49
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	9	0.49
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	9	0.49
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	6	0.49
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	9	0.49
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD2	4	0.49
(1,1289)	1:501:A:TYR:H	1:502:A:ARG:HD3	4	0.49
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	1	0.49
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	1	0.49
(1,1070)	1:493:A:LEU:H	1:503:A:PHE:HZ	5	0.49
(1,1032)	1:455:A:LEU:H	1:478:A:SER:HB3	3	0.49
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	3	0.49
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	7	0.49
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	7	0.49
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	7	0.49
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	7	0.49
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	7	0.49
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	7	0.49
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	6	0.49
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	2	0.49
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	8	0.49
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	9	0.49
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	9	0.49
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	9	0.49
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD11	6	0.49
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD12	6	0.49
(1,595)	1:472:A:GLU:HG2	1:513:A:ILE:HD13	6	0.49
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB1	9	0.49
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB2	9	0.49
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB3	9	0.49
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	8	0.49
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	8	0.49
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	8	0.49
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	5	0.49
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	5	0.49
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	5	0.49
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	5	0.49
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	5	0.49
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	5	0.49
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	8	0.49
(1,305)	1:487:A:LEU:HG	1:492:A:GLU:HA	1	0.49
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	7	0.49
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	7	0.49
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	7	0.49
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	8	0.49
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG2	9	0.49
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG3	9	0.49
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	6	0.49
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	6	0.49
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	6	0.49
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	6	0.49
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	6	0.49
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	6	0.49
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	3	0.49
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	3	0.49
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	3	0.49
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	3	0.49
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	3	0.49
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	3	0.49
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	9	0.49
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	9	0.49
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	9	0.49
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	9	0.48
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	9	0.48
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	9	0.48
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	9	0.48
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	9	0.48
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	9	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD11	5	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD12	5	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD13	5	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD21	5	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD22	5	0.48
(1,2283)	1:525:A:TYR:HA	1:538:A:LEU:HD23	5	0.48
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	6	0.48
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	6	0.48
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	6	0.48
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	6	0.48
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	10	0.48
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	10	0.48
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	6	0.48
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	6	0.48
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	6	0.48
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	6	0.48
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	6	0.48
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	6	0.48
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	4	0.48
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	4	0.48
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	4	0.48
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	4	0.48
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	4	0.48
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	4	0.48
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	4	0.48
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	4	0.48
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	4	0.48
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	4	0.48
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	4	0.48
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	4	0.48
(1,2003)	1:464:A:LEU:HD11	1:539:A:ILE:H	7	0.48
(1,2003)	1:464:A:LEU:HD12	1:539:A:ILE:H	7	0.48
(1,2003)	1:464:A:LEU:HD13	1:539:A:ILE:H	7	0.48
(1,2003)	1:464:A:LEU:HD21	1:539:A:ILE:H	7	0.48
(1,2003)	1:464:A:LEU:HD22	1:539:A:ILE:H	7	0.48
(1,2003)	1:464:A:LEU:HD23	1:539:A:ILE:H	7	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	8	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	8	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	8	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	8	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	8	0.48
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	8	0.48
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	1	0.48
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	1	0.48
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	1	0.48
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	9	0.48
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	9	0.48
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	9	0.48
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	3	0.48
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	4	0.48
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	7	0.48
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	7	0.48
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	8	0.48
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	1	0.48
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	1	0.48
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	8	0.48
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	5	0.48
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	5	0.48
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	5	0.48
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	7	0.48
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	3	0.48
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	2	0.48
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	2	0.48
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	3	0.48
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	2	0.48
(1,1458)	1:470:A:ARG:HA	1:516:A:GLU:H	4	0.48
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	4	0.48
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	1	0.48
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	10	0.48
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	2	0.48
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	6	0.48
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	8	0.48
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	5	0.48
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	6	0.48
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	6	0.48
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	6	0.48
(1,1160)	1:487:A:LEU:HB2	1:491:A:VAL:H	2	0.48
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	7	0.48
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	7	0.48
(1,995)	1:452:A:MET:HE1	1:479:A:GLU:HA	2	0.48
(1,995)	1:452:A:MET:HE2	1:479:A:GLU:HA	2	0.48
(1,995)	1:452:A:MET:HE3	1:479:A:GLU:HA	2	0.48
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	3	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	3	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	3	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	3	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	10	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	10	0.48
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	10	0.48
(1,896)	1:539:A:ILE:HG21	1:541:A:GLN:HE22	10	0.48
(1,896)	1:539:A:ILE:HG22	1:541:A:GLN:HE22	10	0.48
(1,896)	1:539:A:ILE:HG23	1:541:A:GLN:HE22	10	0.48
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	10	0.48
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	10	0.48
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	10	0.48
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	8	0.48
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	8	0.48
(1,802)	1:454:A:VAL:HA	1:529:A:THR:HB	5	0.48
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	1	0.48
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	1	0.48
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	10	0.48
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	10	0.48
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	10	0.48
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	10	0.48
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	10	0.48
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	10	0.48
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	10	0.48
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	10	0.48
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	10	0.48
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	10	0.48
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	10	0.48
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	2	0.48
(1,641)	1:471:A:VAL:H	1:515:A:ASN:HA	3	0.48
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD11	2	0.48
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD12	2	0.48
(1,621)	1:502:A:ARG:H	1:514:A:ILE:HD13	2	0.48
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	2	0.48
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	2	0.48
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	2	0.48
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	8	0.48
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	8	0.48
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	8	0.48
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	3	0.48
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	6	0.48
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	9	0.48
(1,506)	1:503:A:PHE:HA	1:512:A:LEU:H	8	0.48
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	5	0.48
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	8	0.48
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	8	0.48
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	8	0.48
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	6	0.48
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD2	3	0.48
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD3	3	0.48
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG2	5	0.48
(1,192)	1:466:A:MET:HA	1:469:A:GLN:HG3	5	0.48
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	8	0.48
(1,130)	1:465:A:VAL:HG21	1:469:A:GLN:H	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:465:A:VAL:HG22	1:469:A:GLN:H	1	0.48
(1,130)	1:465:A:VAL:HG23	1:469:A:GLN:H	1	0.48
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	7	0.48
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	7	0.48
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	7	0.48
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	3	0.48
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	3	0.48
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	3	0.48
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	2	0.48
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	2	0.48
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	2	0.48
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	5	0.47
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	5	0.47
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	5	0.47
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	5	0.47
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	5	0.47
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	5	0.47
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	8	0.47
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	8	0.47
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	7	0.47
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	7	0.47
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	10	0.47
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	10	0.47
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	10	0.47
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	10	0.47
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	10	0.47
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	10	0.47
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	10	0.47
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	10	0.47
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	10	0.47
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	10	0.47
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	10	0.47
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	8	0.47
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	8	0.47
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	8	0.47
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	8	0.47
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	8	0.47
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	8	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD11	10	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD12	10	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD13	10	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD21	10	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD22	10	0.47
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD23	10	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	2	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	2	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	2	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	2	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	2	0.47
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	2	0.47
(1,1959)	1:460:A:LEU:HD11	1:461:A:GLU:H	8	0.47
(1,1959)	1:460:A:LEU:HD12	1:461:A:GLU:H	8	0.47
(1,1959)	1:460:A:LEU:HD13	1:461:A:GLU:H	8	0.47
(1,1959)	1:460:A:LEU:HD21	1:461:A:GLU:H	8	0.47
(1,1959)	1:460:A:LEU:HD22	1:461:A:GLU:H	8	0.47
(1,1959)	1:460:A:LEU:HD23	1:461:A:GLU:H	8	0.47
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	1	0.47
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	1	0.47
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	2	0.47
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	2	0.47
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	8	0.47
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	1	0.47
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	2	0.47
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	10	0.47
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	4	0.47
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	4	0.47
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	3	0.47
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	1	0.47
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	1	0.47
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	3	0.47
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	5	0.47
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	5	0.47
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	4	0.47
(1,1621)	1:463:A:GLN:HE21	1:471:A:VAL:HA	4	0.47
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	9	0.47
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	9	0.47
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	9	0.47
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	9	0.47
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	5	0.47
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	4	0.47
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	1	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	8	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	8	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	8	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	8	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	8	0.47
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	8	0.47
(1,1334)	1:528:A:CYS:HA	1:532:A:GLY:H	3	0.47
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	2	0.47
(1,1291)	1:498:A:THR:HG21	1:501:A:TYR:H	9	0.47
(1,1291)	1:498:A:THR:HG22	1:501:A:TYR:H	9	0.47
(1,1291)	1:498:A:THR:HG23	1:501:A:TYR:H	9	0.47
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	5	0.47
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG11	5	0.47
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG12	5	0.47
(1,1277)	1:520:A:GLU:H	1:540:A:VAL:HG13	5	0.47
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	7	0.47
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	7	0.47
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	7	0.47
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	7	0.47
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	9	0.47
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	8	0.47
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	8	0.47
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	8	0.47
(1,1179)	1:519:A:LEU:H	1:520:A:GLU:HG2	3	0.47
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	8	0.47
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	4	0.47
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	4	0.47
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	3	0.47
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	1	0.47
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	10	0.47
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	10	0.47
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	10	0.47
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	5	0.47
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	5	0.47
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	5	0.47
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	10	0.47
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	10	0.47
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	3	0.47
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	3	0.47
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	3	0.47
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	3	0.47
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	3	0.47
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	3	0.47
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	6	0.47
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	6	0.47
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	6	0.47
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	10	0.47
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	4	0.47
(1,573)	1:473:A:PHE:HB2	1:512:A:LEU:HB2	1	0.47
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	2	0.47
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	2	0.47
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	2	0.47
(1,530)	1:461:A:GLU:HB2	1:473:A:PHE:HB2	10	0.47
(1,507)	1:472:A:GLU:HG2	1:473:A:PHE:HA	1	0.47
(1,503)	1:524:A:HIS:HA	1:537:A:GLU:HA	5	0.47
(1,419)	1:494:A:THR:HA	1:495:A:ARG:HG2	9	0.47
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	2	0.47
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	2	0.47
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	2	0.47
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD2	5	0.47
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD3	5	0.47
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD2	8	0.47
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD3	8	0.47
(1,181)	1:468:A:GLY:HA2	1:518:A:MET:HE1	8	0.47
(1,181)	1:468:A:GLY:HA2	1:518:A:MET:HE2	8	0.47
(1,181)	1:468:A:GLY:HA2	1:518:A:MET:HE3	8	0.47
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	4	0.47
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	4	0.47
(1,130)	1:465:A:VAL:HG21	1:469:A:GLN:H	7	0.47
(1,130)	1:465:A:VAL:HG22	1:469:A:GLN:H	7	0.47
(1,130)	1:465:A:VAL:HG23	1:469:A:GLN:H	7	0.47
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	10	0.47
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	10	0.47
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	7	0.47
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	2	0.46
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	2	0.46
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB1	7	0.46
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB2	7	0.46
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB3	7	0.46
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB1	7	0.46
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB2	7	0.46
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB3	7	0.46
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	6	0.46
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	6	0.46
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	6	0.46
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	6	0.46
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	6	0.46
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	6	0.46
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	2	0.46
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	2	0.46
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	10	0.46
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	10	0.46
(1,1907)	1:466:A:MET:H	1:541:A:GLN:HE21	9	0.46
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	2	0.46
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	1	0.46
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	1	0.46
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	1	0.46
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	3	0.46
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	3	0.46
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	3	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	6	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	6	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	6	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	6	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	6	0.46
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	6	0.46
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	9	0.46
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	9	0.46
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	6	0.46
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	8	0.46
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	8	0.46
(1,1519)	1:455:A:LEU:H	1:478:A:SER:H	9	0.46
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	10	0.46
(1,1487)	1:461:A:GLU:HB2	1:463:A:GLN:HE21	7	0.46
(1,1487)	1:461:A:GLU:HB3	1:463:A:GLN:HE21	7	0.46
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	6	0.46
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	6	0.46
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	6	0.46
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	2	0.46
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	7	0.46
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	7	0.46
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	7	0.46
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	10	0.46
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	3	0.46
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	9	0.46
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	7	0.46
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	10	0.46
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	7	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	2	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	2	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	2	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	7	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	7	0.46
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	7	0.46
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	4	0.46
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	4	0.46
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	4	0.46
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	5	0.46
(1,739)	1:525:A:TYR:HA	1:525:A:TYR:HE2	9	0.46
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	3	0.46
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD11	1	0.46
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD12	1	0.46
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD13	1	0.46
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG21	7	0.46
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG22	7	0.46
(1,611)	1:471:A:VAL:H	1:513:A:ILE:HG23	7	0.46
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	2	0.46
(1,420)	1:494:A:THR:HA	1:503:A:PHE:HZ	4	0.46
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG21	8	0.46
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG22	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG23	8	0.46
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG21	8	0.46
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG22	8	0.46
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG23	8	0.46
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG21	8	0.46
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG22	8	0.46
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG23	8	0.46
(1,391)	1:487:A:LEU:HD11	1:491:A:VAL:H	7	0.46
(1,391)	1:487:A:LEU:HD12	1:491:A:VAL:H	7	0.46
(1,391)	1:487:A:LEU:HD13	1:491:A:VAL:H	7	0.46
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	5	0.46
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	4	0.46
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	4	0.46
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	4	0.46
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	4	0.46
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	4	0.46
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	4	0.46
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	4	0.46
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	5	0.46
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	5	0.46
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	5	0.46
(1,272)	1:456:A:ILE:H	1:477:A:VAL:HB	2	0.46
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	5	0.46
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	5	0.46
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	5	0.46
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	8	0.46
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	8	0.46
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	8	0.46
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	2	0.46
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	2	0.46
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	2	0.46
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB1	1	0.46
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB2	1	0.46
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB3	1	0.46
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	2	0.46
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	2	0.46
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	2	0.46
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	6	0.46
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	6	0.46
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	6	0.46
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	1	0.46
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	1	0.46
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	1	0.46
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	1	0.46
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	1	0.46
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	1	0.46
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	1	0.46
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	6	0.46
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	6	0.46
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	6	0.46
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	6	0.46
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	6	0.46
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	6	0.46
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	6	0.46
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	6	0.46
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	6	0.46
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	9	0.45
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	9	0.45
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	9	0.45
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	9	0.45
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	9	0.45
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	9	0.45
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	9	0.45
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	9	0.45
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	7	0.45
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	7	0.45
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	7	0.45
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	7	0.45
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	7	0.45
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	7	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	8	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	8	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	8	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	8	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	8	0.45
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	8	0.45
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	8	0.45
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB2	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	3	0.45
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB2	3	0.45
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	3	0.45
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	1	0.45
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	1	0.45
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	1	0.45
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	1	0.45
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	1	0.45
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	1	0.45
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	2	0.45
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	2	0.45
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	2	0.45
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	2	0.45
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	2	0.45
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	2	0.45
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	2	0.45
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	2	0.45
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	8	0.45
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	8	0.45
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	10	0.45
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	10	0.45
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	9	0.45
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	9	0.45
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	9	0.45
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	8	0.45
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	8	0.45
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	3	0.45
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	8	0.45
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	6	0.45
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	6	0.45
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD2	10	0.45
(1,1795)	1:505:A:LYS:H	1:505:A:LYS:HD3	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1792)	1:504:A:LYS:H	1:512:A:LEU:HB2	6	0.45
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	10	0.45
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	10	0.45
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	10	0.45
(1,1730)	1:490:A:GLY:H	1:524:A:HIS:H	4	0.45
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	9	0.45
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	2	0.45
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	6	0.45
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	6	0.45
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	6	0.45
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	2	0.45
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	4	0.45
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	4	0.45
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	4	0.45
(1,1623)	1:465:A:VAL:H	1:539:A:ILE:H	9	0.45
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	5	0.45
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	3	0.45
(1,1529)	1:506:A:ASP:H	1:511:A:HIS:HD2	1	0.45
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	9	0.45
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB1	10	0.45
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB2	10	0.45
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB3	10	0.45
(1,1435)	1:474:A:GLU:H	1:486:A:TRP:HH2	8	0.45
(1,1410)	1:454:A:VAL:H	1:531:A:GLY:HA3	6	0.45
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	6	0.45
(1,1306)	1:480:A:GLU:HB2	1:507:A:GLY:H	3	0.45
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	3	0.45
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	2	0.45
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	2	0.45
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	2	0.45
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	2	0.45
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	2	0.45
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	6	0.45
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	6	0.45
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	6	0.45
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	2	0.45
(1,1075)	1:463:A:GLN:HG2	1:464:A:LEU:H	10	0.45
(1,1075)	1:463:A:GLN:HG3	1:464:A:LEU:H	10	0.45
(1,886)	1:464:A:LEU:HB3	1:539:A:ILE:HD11	5	0.45
(1,886)	1:464:A:LEU:HB3	1:539:A:ILE:HD12	5	0.45
(1,886)	1:464:A:LEU:HB3	1:539:A:ILE:HD13	5	0.45
(1,789)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	7	0.45
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	2	0.45
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	2	0.45
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	2	0.45
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD11	5	0.45
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD12	5	0.45
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD13	5	0.45
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD11	5	0.45
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD12	5	0.45
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD13	5	0.45
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD11	5	0.45
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD12	5	0.45
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD13	5	0.45
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	2	0.45
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	1	0.45
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	1	0.45
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	1	0.45
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	3	0.45
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	1	0.45
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	8	0.45
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	8	0.45
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	8	0.45
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	3	0.45
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG2	6	0.45
(1,538)	1:500:A:LYS:HB3	1:516:A:GLU:HG3	6	0.45
(1,491)	1:495:A:ARG:HA	1:495:A:ARG:HD3	8	0.45
(1,461)	1:500:A:LYS:HA	1:500:A:LYS:HE2	3	0.45
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD2	9	0.45
(1,450)	1:498:A:THR:HB	1:502:A:ARG:HD3	9	0.45
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD2	6	0.45
(1,449)	1:498:A:THR:HA	1:500:A:LYS:HD3	6	0.45
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	9	0.45
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	9	0.45
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	10	0.45
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	10	0.45
(1,175)	1:467:A:VAL:HG21	1:518:A:MET:HA	7	0.45
(1,175)	1:467:A:VAL:HG22	1:518:A:MET:HA	7	0.45
(1,175)	1:467:A:VAL:HG23	1:518:A:MET:HA	7	0.45
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	2	0.45
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	2	0.45
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	8	0.45
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD11	4	0.44
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD12	4	0.44
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD13	4	0.44
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD21	4	0.44
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD22	4	0.44
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD23	4	0.44
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	1	0.44
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	1	0.44
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	1	0.44
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	1	0.44
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	1	0.44
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	1	0.44
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	1	0.44
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	1	0.44
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	1	0.44
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	1	0.44
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	1	0.44
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	1	0.44
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	9	0.44
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	9	0.44
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	1	0.44
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	1	0.44
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	1	0.44
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	1	0.44
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	1	0.44
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	1	0.44
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	9	0.44
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	9	0.44
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	1	0.44
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	1	0.44
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	1	0.44
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	1	0.44
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	1	0.44
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	1	0.44
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	1	0.44
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	5	0.44
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	5	0.44
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	5	0.44
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	5	0.44
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	5	0.44
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	2	0.44
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	2	0.44
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	2	0.44
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	2	0.44
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	2	0.44
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	2	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	4	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	4	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	4	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	5	0.44
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	5	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	5	0.44
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	5	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	5	0.44
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	5	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	5	0.44
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	5	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	5	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	5	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	5	0.44
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	5	0.44
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	9	0.44
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	9	0.44
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	9	0.44
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	9	0.44
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	9	0.44
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	9	0.44
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	10	0.44
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	10	0.44
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE2	5	0.44
(1,1924)	1:542:A:GLU:H	1:543:A:LYS:HE3	5	0.44
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	2	0.44
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	2	0.44
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	2	0.44
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	4	0.44
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	7	0.44
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	7	0.44
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	7	0.44
(1,1845)	1:487:A:LEU:HB2	1:526:A:ALA:H	8	0.44
(1,1837)	1:488:A:LYS:HG3	1:523:A:GLY:H	3	0.44
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	9	0.44
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	9	0.44
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	9	0.44
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	7	0.44
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	7	0.44
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	7	0.44
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	2	0.44
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	2	0.44
(1,1519)	1:455:A:LEU:H	1:478:A:SER:H	6	0.44
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	10	0.44
(1,1474)	1:456:A:ILE:HD11	1:460:A:LEU:H	8	0.44
(1,1474)	1:456:A:ILE:HD12	1:460:A:LEU:H	8	0.44
(1,1474)	1:456:A:ILE:HD13	1:460:A:LEU:H	8	0.44
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	4	0.44
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	6	0.44
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	6	0.44
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	6	0.44
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	6	0.44
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	7	0.44
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	5	0.44
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	9	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	6	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	6	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	6	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	6	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	6	0.44
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	6	0.44
(1,1345)	1:456:A:ILE:H	1:532:A:GLY:H	9	0.44
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	1	0.44
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	1	0.44
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	1	0.44
(1,1305)	1:505:A:LYS:HB2	1:507:A:GLY:H	10	0.44
(1,1305)	1:505:A:LYS:HB3	1:507:A:GLY:H	10	0.44
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	4	0.44
(1,1233)	1:489:A:ASP:HA	1:524:A:HIS:H	4	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	10	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	10	0.44
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	10	0.44
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	2	0.44
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	5	0.44
(1,1123)	1:512:A:LEU:H	1:513:A:ILE:HB	4	0.44
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	6	0.44
(1,1048)	1:486:A:TRP:HE1	1:503:A:PHE:HA	6	0.44
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE1	1	0.44
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE2	1	0.44
(1,998)	1:516:A:GLU:HA	1:518:A:MET:HE3	1	0.44
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	9	0.44
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	9	0.44
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	9	0.44
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	8	0.44
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	8	0.44
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	8	0.44
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	8	0.44
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	8	0.44
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	8	0.44
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	8	0.44
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	8	0.44
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	8	0.44
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	6	0.44
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	3	0.44
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	3	0.44
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	3	0.44
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG2	3	0.44
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG3	3	0.44
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG2	3	0.44
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG3	3	0.44
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG2	3	0.44
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG3	3	0.44
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	3	0.44
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	4	0.44
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	4	0.44
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	4	0.44
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	4	0.44
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD11	10	0.44
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD12	10	0.44
(1,626)	1:501:A:TYR:HE2	1:514:A:ILE:HD13	10	0.44
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	7	0.44
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	7	0.44
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	7	0.44
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD11	10	0.44
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD12	10	0.44
(1,597)	1:470:A:ARG:HD2	1:513:A:ILE:HD13	10	0.44
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD11	10	0.44
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD12	10	0.44
(1,597)	1:470:A:ARG:HD3	1:513:A:ILE:HD13	10	0.44
(1,563)	1:472:A:GLU:HG2	1:511:A:HIS:HB3	9	0.44
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	4	0.44
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG2	5	0.44
(1,537)	1:500:A:LYS:HG2	1:516:A:GLU:HG3	5	0.44
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG2	5	0.44
(1,537)	1:500:A:LYS:HG3	1:516:A:GLU:HG3	5	0.44
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD2	8	0.44
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD3	8	0.44
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG21	6	0.44
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG22	6	0.44
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG23	6	0.44
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG21	6	0.44
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG22	6	0.44
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG23	6	0.44
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG21	6	0.44
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG22	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG23	6	0.44
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	5	0.44
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	5	0.44
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	5	0.44
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	5	0.44
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	5	0.44
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	5	0.44
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	5	0.44
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	5	0.44
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	5	0.44
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB1	9	0.44
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB2	9	0.44
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB3	9	0.44
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	9	0.44
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	9	0.44
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	9	0.44
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	10	0.44
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	10	0.44
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	10	0.44
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	9	0.44
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	9	0.44
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	9	0.44
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	7	0.44
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	7	0.44
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	7	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	7	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	7	0.44
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	7	0.44
(1,180)	1:468:A:GLY:HA2	1:516:A:GLU:HG2	4	0.44
(1,180)	1:468:A:GLY:HA2	1:516:A:GLU:HG3	4	0.44
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	1	0.44
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	1	0.44
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	1	0.44
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	7	0.44
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	7	0.44
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	9	0.44
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	9	0.44
(1,2256)	1:515:A:ASN:HD21	1:516:A:GLU:H	4	0.43
(1,2256)	1:515:A:ASN:HD22	1:516:A:GLU:H	4	0.43
(1,2229)	1:506:A:ASP:HB2	1:509:A:ARG:H	6	0.43
(1,2229)	1:506:A:ASP:HB3	1:509:A:ARG:H	6	0.43
(1,2227)	1:506:A:ASP:H	1:509:A:ARG:HG2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:506:A:ASP:H	1:509:A:ARG:HG3	7	0.43
(1,2226)	1:506:A:ASP:H	1:506:A:ASP:HB2	10	0.43
(1,2226)	1:506:A:ASP:H	1:506:A:ASP:HB3	10	0.43
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	7	0.43
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	7	0.43
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	7	0.43
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	7	0.43
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	7	0.43
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	7	0.43
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	10	0.43
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	10	0.43
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	10	0.43
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	10	0.43
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	1	0.43
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	1	0.43
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	1	0.43
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	1	0.43
(1,2056)	1:471:A:VAL:HG11	1:513:A:ILE:HA	1	0.43
(1,2056)	1:471:A:VAL:HG12	1:513:A:ILE:HA	1	0.43
(1,2056)	1:471:A:VAL:HG13	1:513:A:ILE:HA	1	0.43
(1,2056)	1:471:A:VAL:HG21	1:513:A:ILE:HA	1	0.43
(1,2056)	1:471:A:VAL:HG22	1:513:A:ILE:HA	1	0.43
(1,2056)	1:471:A:VAL:HG23	1:513:A:ILE:HA	1	0.43
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	10	0.43
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	10	0.43
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	10	0.43
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	10	0.43
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	10	0.43
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	10	0.43
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	10	0.43
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	10	0.43
(1,1985)	1:460:A:LEU:HD11	1:535:A:LEU:HA	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:460:A:LEU:HD12	1:535:A:LEU:HA	3	0.43
(1,1985)	1:460:A:LEU:HD13	1:535:A:LEU:HA	3	0.43
(1,1985)	1:460:A:LEU:HD21	1:535:A:LEU:HA	3	0.43
(1,1985)	1:460:A:LEU:HD22	1:535:A:LEU:HA	3	0.43
(1,1985)	1:460:A:LEU:HD23	1:535:A:LEU:HA	3	0.43
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	9	0.43
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	9	0.43
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	4	0.43
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	2	0.43
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	2	0.43
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	2	0.43
(1,1827)	1:517:A:ALA:HB1	1:522:A:ALA:H	9	0.43
(1,1827)	1:517:A:ALA:HB2	1:522:A:ALA:H	9	0.43
(1,1827)	1:517:A:ALA:HB3	1:522:A:ALA:H	9	0.43
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	8	0.43
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	8	0.43
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	8	0.43
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	6	0.43
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	10	0.43
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	8	0.43
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	8	0.43
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	8	0.43
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	3	0.43
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	7	0.43
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	9	0.43
(1,1567)	1:473:A:PHE:H	1:512:A:LEU:HA	1	0.43
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	6	0.43
(1,1510)	1:462:A:ASP:HA	1:463:A:GLN:HE21	6	0.43
(1,1496)	1:466:A:MET:HA	1:469:A:GLN:HE21	5	0.43
(1,1458)	1:470:A:ARG:HA	1:516:A:GLU:H	7	0.43
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	6	0.43
(1,1417)	1:486:A:TRP:HZ2	1:510:A:HIS:H	5	0.43
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	9	0.43
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	10	0.43
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	10	0.43
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	10	0.43
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	10	0.43
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	9	0.43
(1,1291)	1:498:A:THR:HG21	1:501:A:TYR:H	6	0.43
(1,1291)	1:498:A:THR:HG22	1:501:A:TYR:H	6	0.43
(1,1291)	1:498:A:THR:HG23	1:501:A:TYR:H	6	0.43
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG21	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG22	1	0.43
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG23	1	0.43
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	4	0.43
(1,1205)	1:502:A:ARG:HG2	1:503:A:PHE:H	5	0.43
(1,1205)	1:502:A:ARG:HG3	1:503:A:PHE:H	5	0.43
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	3	0.43
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	3	0.43
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	3	0.43
(1,1046)	1:484:A:VAL:HG21	1:486:A:TRP:HE1	9	0.43
(1,1046)	1:484:A:VAL:HG22	1:486:A:TRP:HE1	9	0.43
(1,1046)	1:484:A:VAL:HG23	1:486:A:TRP:HE1	9	0.43
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	3	0.43
(1,1013)	1:464:A:LEU:HB2	1:539:A:ILE:H	3	0.43
(1,961)	1:461:A:GLU:HB3	1:473:A:PHE:HZ	4	0.43
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	9	0.43
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	9	0.43
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	9	0.43
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	3	0.43
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	7	0.43
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	7	0.43
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	7	0.43
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	2	0.43
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	2	0.43
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	2	0.43
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	9	0.43
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	9	0.43
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG21	6	0.43
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG22	6	0.43
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG23	6	0.43
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG21	6	0.43
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG22	6	0.43
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG23	6	0.43
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG21	6	0.43
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG22	6	0.43
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG23	6	0.43
(1,663)	1:522:A:ALA:HA	1:540:A:VAL:H	1	0.43
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	3	0.43
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	3	0.43
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	3	0.43
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG21	7	0.43
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG22	7	0.43
(1,608)	1:470:A:ARG:HA	1:513:A:ILE:HG23	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	2	0.43
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	8	0.43
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	3	0.43
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	2	0.43
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	2	0.43
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	2	0.43
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	9	0.43
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	9	0.43
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	9	0.43
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	3	0.43
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	3	0.43
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	10	0.43
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	10	0.43
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	10	0.43
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	10	0.43
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	10	0.43
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	10	0.43
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	4	0.43
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	4	0.43
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	4	0.43
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	4	0.43
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	4	0.43
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	4	0.43
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	4	0.43
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	4	0.43
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	4	0.43
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	5	0.42
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	5	0.42
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	2	0.42
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	7	0.42
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	7	0.42
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	7	0.42
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	7	0.42
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	7	0.42
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	7	0.42
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD11	4	0.42
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD12	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD13	4	0.42
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD21	4	0.42
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD22	4	0.42
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD23	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD11	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD12	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD13	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD21	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD22	4	0.42
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD23	4	0.42
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	9	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	9	0.42
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	9	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	9	0.42
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	10	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	10	0.42
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	10	0.42
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	10	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	2	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	2	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	2	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	2	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	2	0.42
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	2	0.42
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	1	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	1	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	1	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	1	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	1	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	1	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	1	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG11	1:518:A:MET:HE3	8	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG12	1:518:A:MET:HE3	8	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG13	1:518:A:MET:HE3	8	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG21	1:518:A:MET:HE3	8	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG22	1:518:A:MET:HE3	8	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE1	8	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE2	8	0.42
(1,2035)	1:467:A:VAL:HG23	1:518:A:MET:HE3	8	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	10	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	10	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	10	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	10	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	10	0.42
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	10	0.42
(1,1977)	1:460:A:LEU:HD11	1:527:A:LEU:H	3	0.42
(1,1977)	1:460:A:LEU:HD12	1:527:A:LEU:H	3	0.42
(1,1977)	1:460:A:LEU:HD13	1:527:A:LEU:H	3	0.42
(1,1977)	1:460:A:LEU:HD21	1:527:A:LEU:H	3	0.42
(1,1977)	1:460:A:LEU:HD22	1:527:A:LEU:H	3	0.42
(1,1977)	1:460:A:LEU:HD23	1:527:A:LEU:H	3	0.42
(1,1966)	1:460:A:LEU:HD11	1:475:A:CYS:H	10	0.42
(1,1966)	1:460:A:LEU:HD12	1:475:A:CYS:H	10	0.42
(1,1966)	1:460:A:LEU:HD13	1:475:A:CYS:H	10	0.42
(1,1966)	1:460:A:LEU:HD21	1:475:A:CYS:H	10	0.42
(1,1966)	1:460:A:LEU:HD22	1:475:A:CYS:H	10	0.42
(1,1966)	1:460:A:LEU:HD23	1:475:A:CYS:H	10	0.42
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	4	0.42
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	4	0.42
(1,1921)	1:519:A:LEU:HD11	1:542:A:GLU:H	10	0.42
(1,1921)	1:519:A:LEU:HD12	1:542:A:GLU:H	10	0.42
(1,1921)	1:519:A:LEU:HD13	1:542:A:GLU:H	10	0.42
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	7	0.42
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	7	0.42
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	4	0.42
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	4	0.42
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	4	0.42
(1,1826)	1:522:A:ALA:H	1:538:A:LEU:HB3	6	0.42
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	1	0.42
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	8	0.42
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	7	0.42
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	7	0.42
(1,1778)	1:500:A:LYS:HE2	1:501:A:TYR:H	7	0.42
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	8	0.42
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	8	0.42
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	9	0.42
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	9	0.42
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	9	0.42
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	6	0.42
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	10	0.42
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	10	0.42
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	10	0.42
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	3	0.42
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	10	0.42
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	5	0.42
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	8	0.42
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	8	0.42
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	9	0.42
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	9	0.42
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	4	0.42
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	9	0.42
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	7	0.42
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	9	0.42
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	10	0.42
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	5	0.42
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	10	0.42
(1,955)	1:461:A:GLU:HB3	1:473:A:PHE:HD2	6	0.42
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	5	0.42
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	2	0.42
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	2	0.42
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	1	0.42
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	1	0.42
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	1	0.42
(1,801)	1:454:A:VAL:HG11	1:529:A:THR:HB	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:454:A:VAL:HG12	1:529:A:THR:HB	5	0.42
(1,801)	1:454:A:VAL:HG13	1:529:A:THR:HB	5	0.42
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	6	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	7	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	7	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	7	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	10	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	10	0.42
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	10	0.42
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	7	0.42
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	7	0.42
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	8	0.42
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	8	0.42
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	2	0.42
(1,362)	1:486:A:TRP:HA	1:487:A:LEU:HG	2	0.42
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	9	0.42
(1,212)	1:471:A:VAL:HA	1:513:A:ILE:HG13	4	0.42
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	6	0.42
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	6	0.42
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	6	0.42
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	6	0.42
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	6	0.42
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	1	0.42
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	1	0.42
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	1	0.42
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	3	0.41
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	3	0.41
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	3	0.41
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	3	0.41
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	3	0.41
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	3	0.41
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	3	0.41
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	2	0.41
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	2	0.41
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	2	0.41
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	2	0.41
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	2	0.41
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	1	0.41
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	1	0.41
(1,2142)	1:487:A:LEU:HD11	1:492:A:GLU:HA	4	0.41
(1,2142)	1:487:A:LEU:HD12	1:492:A:GLU:HA	4	0.41
(1,2142)	1:487:A:LEU:HD13	1:492:A:GLU:HA	4	0.41
(1,2142)	1:487:A:LEU:HD21	1:492:A:GLU:HA	4	0.41
(1,2142)	1:487:A:LEU:HD22	1:492:A:GLU:HA	4	0.41
(1,2142)	1:487:A:LEU:HD23	1:492:A:GLU:HA	4	0.41
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	7	0.41
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	7	0.41
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	7	0.41
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	7	0.41
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	7	0.41
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	7	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	8	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	8	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	8	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	8	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	8	0.41
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	8	0.41
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	5	0.41
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	5	0.41
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	5	0.41
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	5	0.41
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	5	0.41
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	5	0.41
(1,1986)	1:460:A:LEU:HD11	1:536:A:ALA:H	3	0.41
(1,1986)	1:460:A:LEU:HD12	1:536:A:ALA:H	3	0.41
(1,1986)	1:460:A:LEU:HD13	1:536:A:ALA:H	3	0.41
(1,1986)	1:460:A:LEU:HD21	1:536:A:ALA:H	3	0.41
(1,1986)	1:460:A:LEU:HD22	1:536:A:ALA:H	3	0.41
(1,1986)	1:460:A:LEU:HD23	1:536:A:ALA:H	3	0.41
(1,1965)	1:460:A:LEU:HD11	1:474:A:GLU:HA	10	0.41
(1,1965)	1:460:A:LEU:HD12	1:474:A:GLU:HA	10	0.41
(1,1965)	1:460:A:LEU:HD13	1:474:A:GLU:HA	10	0.41
(1,1965)	1:460:A:LEU:HD21	1:474:A:GLU:HA	10	0.41
(1,1965)	1:460:A:LEU:HD22	1:474:A:GLU:HA	10	0.41
(1,1965)	1:460:A:LEU:HD23	1:474:A:GLU:HA	10	0.41
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	3	0.41
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	3	0.41
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:476:A:GLU:HB3	1:508:A:GLN:HE22	4	0.41
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	1	0.41
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	1	0.41
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	1	0.41
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	1	0.41
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	1	0.41
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	6	0.41
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	6	0.41
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	6	0.41
(1,1743)	1:495:A:ARG:H	1:495:A:ARG:HG2	6	0.41
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	7	0.41
(1,1722)	1:486:A:TRP:HE1	1:512:A:LEU:HA	10	0.41
(1,1692)	1:456:A:ILE:HG13	1:534:A:ALA:H	8	0.41
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	3	0.41
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	1	0.41
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	1	0.41
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	10	0.41
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	4	0.41
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	4	0.41
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	4	0.41
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	2	0.41
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	2	0.41
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	2	0.41
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	2	0.41
(1,1246)	1:503:A:PHE:HB3	1:511:A:HIS:H	6	0.41
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	6	0.41
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	4	0.41
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	9	0.41
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	9	0.41
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	9	0.41
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	2	0.41
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	2	0.41
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	2	0.41
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	5	0.41
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE1	7	0.41
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE2	7	0.41
(1,993)	1:464:A:LEU:HD21	1:466:A:MET:HE3	7	0.41
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE1	7	0.41
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE2	7	0.41
(1,993)	1:464:A:LEU:HD22	1:466:A:MET:HE3	7	0.41
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE1	7	0.41
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:464:A:LEU:HD23	1:466:A:MET:HE3	7	0.41
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	7	0.41
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	7	0.41
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	7	0.41
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	9	0.41
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	9	0.41
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	9	0.41
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	1	0.41
(1,797)	1:454:A:VAL:HG11	1:529:A:THR:HA	2	0.41
(1,797)	1:454:A:VAL:HG12	1:529:A:THR:HA	2	0.41
(1,797)	1:454:A:VAL:HG13	1:529:A:THR:HA	2	0.41
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG21	5	0.41
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG22	5	0.41
(1,777)	1:527:A:LEU:HD21	1:529:A:THR:HG23	5	0.41
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG21	5	0.41
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG22	5	0.41
(1,777)	1:527:A:LEU:HD22	1:529:A:THR:HG23	5	0.41
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG21	5	0.41
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG22	5	0.41
(1,777)	1:527:A:LEU:HD23	1:529:A:THR:HG23	5	0.41
(1,735)	1:488:A:LYS:HG3	1:525:A:TYR:HA	3	0.41
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	9	0.41
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	9	0.41
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	9	0.41
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	6	0.41
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	6	0.41
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	6	0.41
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	10	0.41
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	10	0.41
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	10	0.41
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	3	0.41
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	3	0.41
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	3	0.41
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	8	0.41
(1,585)	1:502:A:ARG:HD2	1:513:A:ILE:HB	1	0.41
(1,585)	1:502:A:ARG:HD3	1:513:A:ILE:HB	1	0.41
(1,459)	1:500:A:LYS:HA	1:516:A:GLU:HB2	1	0.41
(1,459)	1:500:A:LYS:HA	1:516:A:GLU:HB3	1	0.41
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG21	5	0.41
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG22	5	0.41
(1,416)	1:456:A:ILE:HD11	1:529:A:THR:HG23	5	0.41
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG21	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG22	5	0.41
(1,416)	1:456:A:ILE:HD12	1:529:A:THR:HG23	5	0.41
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG21	5	0.41
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG22	5	0.41
(1,416)	1:456:A:ILE:HD13	1:529:A:THR:HG23	5	0.41
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	1	0.41
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	1	0.41
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	1	0.41
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	8	0.41
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	8	0.41
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	8	0.41
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	8	0.41
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	8	0.41
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	8	0.41
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	8	0.41
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	8	0.41
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	8	0.41
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	4	0.41
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	8	0.41
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	9	0.41
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	9	0.41
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	9	0.41
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	9	0.41
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	9	0.41
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	9	0.41
(1,136)	1:465:A:VAL:HG21	1:469:A:GLN:HA	3	0.41
(1,136)	1:465:A:VAL:HG22	1:469:A:GLN:HA	3	0.41
(1,136)	1:465:A:VAL:HG23	1:469:A:GLN:HA	3	0.41
(1,11)	1:453:A:PRO:HG2	1:531:A:GLY:HA2	5	0.41
(1,11)	1:453:A:PRO:HG3	1:531:A:GLY:HA2	5	0.41
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD11	5	0.4
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD12	5	0.4
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD13	5	0.4
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD21	5	0.4
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD22	5	0.4
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD23	5	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	6	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	6	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	6	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	6	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	6	0.4
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2228)	1:506:A:ASP:HB2	1:508:A:GLN:H	7	0.4
(1,2228)	1:506:A:ASP:HB3	1:508:A:GLN:H	7	0.4
(1,2228)	1:506:A:ASP:HB2	1:508:A:GLN:H	10	0.4
(1,2228)	1:506:A:ASP:HB3	1:508:A:GLN:H	10	0.4
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD2	8	0.4
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD3	8	0.4
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	10	0.4
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	10	0.4
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	10	0.4
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	10	0.4
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	10	0.4
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	10	0.4
(1,2142)	1:487:A:LEU:HD11	1:492:A:GLU:HA	2	0.4
(1,2142)	1:487:A:LEU:HD12	1:492:A:GLU:HA	2	0.4
(1,2142)	1:487:A:LEU:HD13	1:492:A:GLU:HA	2	0.4
(1,2142)	1:487:A:LEU:HD21	1:492:A:GLU:HA	2	0.4
(1,2142)	1:487:A:LEU:HD22	1:492:A:GLU:HA	2	0.4
(1,2142)	1:487:A:LEU:HD23	1:492:A:GLU:HA	2	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	3	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	3	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	3	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	3	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	3	0.4
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	3	0.4
(1,2064)	1:471:A:VAL:HG11	1:539:A:ILE:H	8	0.4
(1,2064)	1:471:A:VAL:HG12	1:539:A:ILE:H	8	0.4
(1,2064)	1:471:A:VAL:HG13	1:539:A:ILE:H	8	0.4
(1,2064)	1:471:A:VAL:HG21	1:539:A:ILE:H	8	0.4
(1,2064)	1:471:A:VAL:HG22	1:539:A:ILE:H	8	0.4
(1,2064)	1:471:A:VAL:HG23	1:539:A:ILE:H	8	0.4
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	8	0.4
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	8	0.4
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	8	0.4
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	8	0.4
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	8	0.4
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	8	0.4
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	7	0.4
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	7	0.4
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	1	0.4
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	1	0.4
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	1	0.4
(1,1919)	1:466:A:MET:HE1	1:541:A:GLN:HE21	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:466:A:MET:HE2	1:541:A:GLN:HE21	9	0.4
(1,1919)	1:466:A:MET:HE3	1:541:A:GLN:HE21	9	0.4
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	8	0.4
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	5	0.4
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	8	0.4
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	8	0.4
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	8	0.4
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	8	0.4
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	1	0.4
(1,1688)	1:480:A:GLU:H	1:508:A:GLN:HG2	8	0.4
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	8	0.4
(1,1621)	1:463:A:GLN:HE21	1:471:A:VAL:HA	3	0.4
(1,1618)	1:461:A:GLU:HG2	1:462:A:ASP:H	3	0.4
(1,1618)	1:461:A:GLU:HG3	1:462:A:ASP:H	3	0.4
(1,1580)	1:525:A:TYR:H	1:536:A:ALA:H	5	0.4
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	10	0.4
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	6	0.4
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	1	0.4
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	3	0.4
(1,1398)	1:476:A:GLU:HG2	1:510:A:HIS:H	7	0.4
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	8	0.4
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	8	0.4
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	8	0.4
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	1	0.4
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	1	0.4
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	1	0.4
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	9	0.4
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	9	0.4
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	9	0.4
(1,1291)	1:498:A:THR:HG21	1:501:A:TYR:H	1	0.4
(1,1291)	1:498:A:THR:HG22	1:501:A:TYR:H	1	0.4
(1,1291)	1:498:A:THR:HG23	1:501:A:TYR:H	1	0.4
(1,1290)	1:500:A:LYS:HG2	1:501:A:TYR:H	4	0.4
(1,1290)	1:500:A:LYS:HG3	1:501:A:TYR:H	4	0.4
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	10	0.4
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	10	0.4
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	10	0.4
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	4	0.4
(1,1246)	1:503:A:PHE:HB3	1:511:A:HIS:H	3	0.4
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	10	0.4
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	1	0.4
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:512:A:LEU:H	1:513:A:ILE:HB	5	0.4
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	8	0.4
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	8	0.4
(1,1032)	1:455:A:LEU:H	1:478:A:SER:HB3	8	0.4
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	5	0.4
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	5	0.4
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	5	0.4
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	5	0.4
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	5	0.4
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	5	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	5	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	5	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	5	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	6	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	6	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	6	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	8	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	8	0.4
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	8	0.4
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	2	0.4
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	2	0.4
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	2	0.4
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	9	0.4
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	9	0.4
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	9	0.4
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	3	0.4
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	3	0.4
(1,671)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	5	0.4
(1,671)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	5	0.4
(1,671)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	5	0.4
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	2	0.4
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	4	0.4
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	4	0.4
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	4	0.4
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	5	0.4
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	5	0.4
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	5	0.4
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	2	0.4
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	2	0.4
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	2	0.4
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	7	0.4
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	7	0.4
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	7	0.4
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	7	0.4
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	7	0.4
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	8	0.4
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	6	0.4
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	8	0.4
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	8	0.4
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	8	0.4
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	8	0.4
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	8	0.4
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	8	0.4
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG2	6	0.4
(1,141)	1:465:A:VAL:HG21	1:469:A:GLN:HG3	6	0.4
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG2	6	0.4
(1,141)	1:465:A:VAL:HG22	1:469:A:GLN:HG3	6	0.4
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG2	6	0.4
(1,141)	1:465:A:VAL:HG23	1:469:A:GLN:HG3	6	0.4
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG21	4	0.4
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG22	4	0.4
(1,112)	1:464:A:LEU:HG	1:539:A:ILE:HG23	4	0.4
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	6	0.4
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD21	4	0.39
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD22	4	0.39
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	3	0.39
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	3	0.39
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	5	0.39
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	5	0.39
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	5	0.39
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	5	0.39
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	5	0.39
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	5	0.39
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	5	0.39
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	5	0.39
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	5	0.39
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	5	0.39
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	5	0.39
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	5	0.39
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	8	0.39
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	8	0.39
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	8	0.39
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	8	0.39
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	8	0.39
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	8	0.39
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	2	0.39
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	2	0.39
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	2	0.39
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	2	0.39
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	2	0.39
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	2	0.39
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	7	0.39
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	7	0.39
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	4	0.39
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	4	0.39
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	4	0.39
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	4	0.39
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	4	0.39
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	2	0.39
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	2	0.39
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	2	0.39
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	3	0.39
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	3	0.39
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	3	0.39
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	4	0.39
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	6	0.39
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	6	0.39
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	9	0.39
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	10	0.39
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	10	0.39
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	10	0.39
(1,1747)	1:496:A:GLU:H	1:496:A:GLU:HG2	5	0.39
(1,1747)	1:496:A:GLU:H	1:496:A:GLU:HG3	5	0.39
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	5	0.39
(1,1461)	1:468:A:GLY:H	1:516:A:GLU:H	1	0.39
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	2	0.39
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	5	0.39
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	2	0.39
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	2	0.39
(1,1316)	1:478:A:SER:HA	1:508:A:GLN:HE22	2	0.39
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB2	5	0.39
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB3	5	0.39
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	5	0.39
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	5	0.39
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	5	0.39
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	3	0.39
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	7	0.39
(1,1094)	1:467:A:VAL:H	1:541:A:GLN:H	7	0.39
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	4	0.39
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	10	0.39
(1,893)	1:539:A:ILE:HG21	1:541:A:GLN:HE21	4	0.39
(1,893)	1:539:A:ILE:HG22	1:541:A:GLN:HE21	4	0.39
(1,893)	1:539:A:ILE:HG23	1:541:A:GLN:HE21	4	0.39
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD11	7	0.39
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD12	7	0.39
(1,882)	1:464:A:LEU:HA	1:539:A:ILE:HD13	7	0.39
(1,881)	1:539:A:ILE:HD11	1:540:A:VAL:H	5	0.39
(1,881)	1:539:A:ILE:HD12	1:540:A:VAL:H	5	0.39
(1,881)	1:539:A:ILE:HD13	1:540:A:VAL:H	5	0.39
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	5	0.39
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	3	0.39
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	3	0.39
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	3	0.39
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	3	0.39
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	2	0.39
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	10	0.39
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	1	0.39
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	1	0.39
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	1	0.39
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	1	0.39
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	1	0.39
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	1	0.39
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	8	0.39
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	8	0.39
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	8	0.39
(1,483)	1:500:A:LYS:HG2	1:501:A:TYR:HD2	3	0.39
(1,483)	1:500:A:LYS:HG3	1:501:A:TYR:HD2	3	0.39
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	10	0.39
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	10	0.39
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	10	0.39
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	2	0.39
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	10	0.39
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	10	0.39
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	10	0.39
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	7	0.39
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	7	0.39
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	7	0.39
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	4	0.39
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	9	0.39
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	4	0.39
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG2	4	0.39
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG3	4	0.39
(1,133)	1:465:A:VAL:HG21	1:539:A:ILE:H	8	0.39
(1,133)	1:465:A:VAL:HG22	1:539:A:ILE:H	8	0.39
(1,133)	1:465:A:VAL:HG23	1:539:A:ILE:H	8	0.39
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	7	0.39
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD21	5	0.39
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD22	5	0.39
(1,2)	1:524:A:HIS:HB2	1:535:A:LEU:HD23	5	0.39
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	3	0.38
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	3	0.38
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	3	0.38
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	3	0.38
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	3	0.38
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	3	0.38
(1,2161)	1:488:A:LYS:HE2	1:523:A:GLY:H	3	0.38
(1,2161)	1:488:A:LYS:HE3	1:523:A:GLY:H	3	0.38
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	3	0.38
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	3	0.38
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	6	0.38
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	6	0.38
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	6	0.38
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	6	0.38
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	6	0.38
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	6	0.38
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	4	0.38
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	4	0.38
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	4	0.38
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	4	0.38
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	4	0.38
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	4	0.38
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	4	0.38
(1,2142)	1:487:A:LEU:HD11	1:492:A:GLU:HA	10	0.38
(1,2142)	1:487:A:LEU:HD12	1:492:A:GLU:HA	10	0.38
(1,2142)	1:487:A:LEU:HD13	1:492:A:GLU:HA	10	0.38
(1,2142)	1:487:A:LEU:HD21	1:492:A:GLU:HA	10	0.38
(1,2142)	1:487:A:LEU:HD22	1:492:A:GLU:HA	10	0.38
(1,2142)	1:487:A:LEU:HD23	1:492:A:GLU:HA	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	10	0.38
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	10	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD11	2	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD12	2	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD13	2	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD21	2	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD22	2	0.38
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD23	2	0.38
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	3	0.38
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	3	0.38
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	3	0.38
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	3	0.38
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	3	0.38
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	3	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	8	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	8	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	8	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	8	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	8	0.38
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	2	0.38
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	2	0.38
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	2	0.38
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	2	0.38
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	2	0.38
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	2	0.38
(1,1975)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	3	0.38
(1,1975)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	6	0.38
(1,1975)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	6	0.38
(1,1975)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	6	0.38
(1,1975)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	6	0.38
(1,1975)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	6	0.38
(1,1975)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	6	0.38
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB2	5	0.38
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB3	5	0.38
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB2	5	0.38
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB3	5	0.38
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	10	0.38
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	10	0.38
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	10	0.38
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	3	0.38
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	3	0.38
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	3	0.38
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	4	0.38
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	4	0.38
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	4	0.38
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	9	0.38
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	3	0.38
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	3	0.38
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	2	0.38
(1,1669)	1:475:A:CYS:H	1:511:A:HIS:HA	1	0.38
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	9	0.38
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	3	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	5	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	5	0.38
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	5	0.38
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	1	0.38
(1,1548)	1:469:A:GLN:HG2	1:517:A:ALA:H	1	0.38
(1,1548)	1:469:A:GLN:HG3	1:517:A:ALA:H	1	0.38
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	1	0.38
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	9	0.38
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	9	0.38
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	6	0.38
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	6	0.38
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	8	0.38
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	3	0.38
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	7	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	5	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	5	0.38
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	5	0.38
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	6	0.38
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	6	0.38
(1,1234)	1:488:A:LYS:HD3	1:524:A:HIS:H	1	0.38
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	8	0.38
(1,1205)	1:502:A:ARG:HG2	1:503:A:PHE:H	3	0.38
(1,1205)	1:502:A:ARG:HG3	1:503:A:PHE:H	3	0.38
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	2	0.38
(1,1022)	1:489:A:ASP:H	1:525:A:TYR:HA	8	0.38
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	6	0.38
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	6	0.38
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	6	0.38
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	10	0.38
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	10	0.38
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	10	0.38
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG21	8	0.38
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG22	8	0.38
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG23	8	0.38
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	4	0.38
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	4	0.38
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	2	0.38
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	2	0.38
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	8	0.38
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	8	0.38
(1,719)	1:519:A:LEU:HA	1:520:A:GLU:HG2	7	0.38
(1,666)	1:522:A:ALA:HA	1:538:A:LEU:H	5	0.38
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	2	0.38
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	6	0.38
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	6	0.38
(1,486)	1:501:A:TYR:HA	1:501:A:TYR:HD2	10	0.38
(1,339)	1:484:A:VAL:HG21	1:527:A:LEU:HB3	3	0.38
(1,339)	1:484:A:VAL:HG22	1:527:A:LEU:HB3	3	0.38
(1,339)	1:484:A:VAL:HG23	1:527:A:LEU:HB3	3	0.38
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	6	0.38
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	6	0.38
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	6	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	6	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	6	0.38
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	6	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	6	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	6	0.38
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	6	0.38
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	3	0.38
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	4	0.38
(1,308)	1:480:A:GLU:HB3	1:508:A:GLN:HE21	10	0.38
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	6	0.38
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	6	0.38
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	6	0.38
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	5	0.38
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	5	0.38
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	5	0.38
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	5	0.38
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	5	0.38
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	5	0.38
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	5	0.38
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	5	0.38
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	5	0.38
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	3	0.37
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	3	0.37
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	3	0.37
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	3	0.37
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	4	0.37
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	4	0.37
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	2	0.37
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	2	0.37
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	2	0.37
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	2	0.37
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	2	0.37
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	2	0.37
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	1	0.37
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	1	0.37
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	1	0.37
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	1	0.37
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	1	0.37
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	6	0.37
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	6	0.37
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	6	0.37
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	6	0.37
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	6	0.37
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	6	0.37
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	6	0.37
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	10	0.37
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	10	0.37
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	10	0.37
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	10	0.37
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	10	0.37
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	10	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD11	1	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD12	1	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD13	1	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD21	1	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD22	1	0.37
(1,2113)	1:486:A:TRP:H	1:493:A:LEU:HD23	1	0.37
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	4	0.37
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	4	0.37
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	4	0.37
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	4	0.37
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	4	0.37
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	4	0.37
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	3	0.37
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	3	0.37
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	3	0.37
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	3	0.37
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	3	0.37
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	3	0.37
(1,1921)	1:519:A:LEU:HD11	1:542:A:GLU:H	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:519:A:LEU:HD12	1:542:A:GLU:H	2	0.37
(1,1921)	1:519:A:LEU:HD13	1:542:A:GLU:H	2	0.37
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE21	4	0.37
(1,1911)	1:540:A:VAL:HA	1:541:A:GLN:HE22	4	0.37
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	7	0.37
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	7	0.37
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	1	0.37
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	1	0.37
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	7	0.37
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	7	0.37
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	4	0.37
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	9	0.37
(1,1729)	1:489:A:ASP:H	1:525:A:TYR:H	8	0.37
(1,1726)	1:487:A:LEU:H	1:493:A:LEU:HB2	10	0.37
(1,1722)	1:486:A:TRP:HE1	1:512:A:LEU:HA	1	0.37
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	3	0.37
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	3	0.37
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	3	0.37
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	3	0.37
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	3	0.37
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	3	0.37
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	1	0.37
(1,1621)	1:463:A:GLN:HE21	1:471:A:VAL:HA	9	0.37
(1,1556)	1:519:A:LEU:HA	1:540:A:VAL:H	3	0.37
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	3	0.37
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	8	0.37
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	8	0.37
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	8	0.37
(1,1474)	1:456:A:ILE:HD11	1:460:A:LEU:H	1	0.37
(1,1474)	1:456:A:ILE:HD12	1:460:A:LEU:H	1	0.37
(1,1474)	1:456:A:ILE:HD13	1:460:A:LEU:H	1	0.37
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	10	0.37
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	7	0.37
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	6	0.37
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	1	0.37
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	3	0.37
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	3	0.37
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	3	0.37
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	9	0.37
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	9	0.37
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	9	0.37
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	8	0.37
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	9	0.37
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	7	0.37
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	9	0.37
(1,1149)	1:517:A:ALA:H	1:518:A:MET:H	4	0.37
(1,1110)	1:473:A:PHE:H	1:512:A:LEU:H	3	0.37
(1,1042)	1:486:A:TRP:HE1	1:503:A:PHE:HB3	5	0.37
(1,1041)	1:486:A:TRP:HE1	1:510:A:HIS:HB2	8	0.37
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	5	0.37
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	5	0.37
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG21	8	0.37
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG22	8	0.37
(1,925)	1:466:A:MET:HB3	1:540:A:VAL:HG23	8	0.37
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	8	0.37
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	8	0.37
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	8	0.37
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	4	0.37
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	4	0.37
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	5	0.37
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	5	0.37
(1,706)	1:519:A:LEU:HD11	1:540:A:VAL:HB	6	0.37
(1,706)	1:519:A:LEU:HD12	1:540:A:VAL:HB	6	0.37
(1,706)	1:519:A:LEU:HD13	1:540:A:VAL:HB	6	0.37
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	4	0.37
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	4	0.37
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	4	0.37
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	2	0.37
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	2	0.37
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	2	0.37
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	7	0.37
(1,661)	1:517:A:ALA:HA	1:518:A:MET:HG3	6	0.37
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	9	0.37
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	7	0.37
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	8	0.37
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	8	0.37
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	8	0.37
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	8	0.37
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	3	0.37
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	3	0.37
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	3	0.37
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	3	0.37
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	3	0.37
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	4	0.37
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	4	0.37
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB1	8	0.37
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB2	8	0.37
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB3	8	0.37
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	1	0.37
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	10	0.37
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	10	0.37
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	10	0.37
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	10	0.37
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	10	0.37
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	10	0.37
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	10	0.37
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	5	0.37
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	5	0.37
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	5	0.37
(1,202)	1:458:A:ARG:HD2	1:459:A:PRO:HA	6	0.37
(1,202)	1:458:A:ARG:HD3	1:459:A:PRO:HA	6	0.37
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	8	0.37
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	8	0.37
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	8	0.37
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	8	0.37
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	8	0.37
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	8	0.37
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	8	0.37
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	8	0.37
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	8	0.37
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	4	0.37
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	4	0.37
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	4	0.37
(1,4)	1:456:A:ILE:HG21	1:459:A:PRO:HA	1	0.37
(1,4)	1:456:A:ILE:HG22	1:459:A:PRO:HA	1	0.37
(1,4)	1:456:A:ILE:HG23	1:459:A:PRO:HA	1	0.37
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG22	8	0.36
(1,2295)	1:527:A:LEU:HD11	1:529:A:THR:HG23	8	0.36
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG22	8	0.36
(1,2295)	1:527:A:LEU:HD12	1:529:A:THR:HG23	8	0.36
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG22	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:527:A:LEU:HD13	1:529:A:THR:HG23	8	0.36
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG22	8	0.36
(1,2295)	1:527:A:LEU:HD21	1:529:A:THR:HG23	8	0.36
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG22	8	0.36
(1,2295)	1:527:A:LEU:HD22	1:529:A:THR:HG23	8	0.36
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG21	8	0.36
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG22	8	0.36
(1,2295)	1:527:A:LEU:HD23	1:529:A:THR:HG23	8	0.36
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	9	0.36
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	9	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD11	2	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD12	2	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD13	2	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD21	2	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD22	2	0.36
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD23	2	0.36
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD2	4	0.36
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD3	4	0.36
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	6	0.36
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	6	0.36
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	6	0.36
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	6	0.36
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	6	0.36
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	6	0.36
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	4	0.36
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	4	0.36
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	4	0.36
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	4	0.36
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	4	0.36
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	4	0.36
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	4	0.36
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB2	8	0.36
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB3	8	0.36
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD11	1:541:A:GLN:HG3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD12	1:541:A:GLN:HG3	8	0.36
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD13	1:541:A:GLN:HG3	8	0.36
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD21	1:541:A:GLN:HG3	8	0.36
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD22	1:541:A:GLN:HG3	8	0.36
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG2	8	0.36
(1,2007)	1:464:A:LEU:HD23	1:541:A:GLN:HG3	8	0.36
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	8	0.36
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	4	0.36
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	2	0.36
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	5	0.36
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	9	0.36
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	10	0.36
(1,1812)	1:470:A:ARG:HD2	1:514:A:ILE:H	1	0.36
(1,1812)	1:470:A:ARG:HD3	1:514:A:ILE:H	1	0.36
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD21	7	0.36
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD22	7	0.36
(1,1780)	1:502:A:ARG:H	1:512:A:LEU:HD23	7	0.36
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	3	0.36
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	3	0.36
(1,1725)	1:486:A:TRP:HE1	1:510:A:HIS:HE1	4	0.36
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	5	0.36
(1,1639)	1:468:A:GLY:H	1:518:A:MET:HG2	8	0.36
(1,1618)	1:461:A:GLU:HG2	1:462:A:ASP:H	10	0.36
(1,1618)	1:461:A:GLU:HG3	1:462:A:ASP:H	10	0.36
(1,1606)	1:460:A:LEU:H	1:534:A:ALA:HA	4	0.36
(1,1556)	1:519:A:LEU:HA	1:540:A:VAL:H	9	0.36
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	8	0.36
(1,1544)	1:514:A:ILE:HG21	1:517:A:ALA:H	4	0.36
(1,1544)	1:514:A:ILE:HG22	1:517:A:ALA:H	4	0.36
(1,1544)	1:514:A:ILE:HG23	1:517:A:ALA:H	4	0.36
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	8	0.36
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	5	0.36
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	5	0.36
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	2	0.36
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	3	0.36
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	4	0.36
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	4	0.36
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	5	0.36
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	7	0.36
(1,1107)	1:473:A:PHE:H	1:511:A:HIS:HA	10	0.36
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	1	0.36
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	1	0.36
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	1	0.36
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	5	0.36
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	10	0.36
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	10	0.36
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	10	0.36
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	7	0.36
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	9	0.36
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	4	0.36
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	4	0.36
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	4	0.36
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG11	7	0.36
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG12	7	0.36
(1,915)	1:519:A:LEU:HG	1:540:A:VAL:HG13	7	0.36
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG11	7	0.36
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG12	7	0.36
(1,914)	1:518:A:MET:HE1	1:540:A:VAL:HG13	7	0.36
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG11	7	0.36
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG12	7	0.36
(1,914)	1:518:A:MET:HE2	1:540:A:VAL:HG13	7	0.36
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG11	7	0.36
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG12	7	0.36
(1,914)	1:518:A:MET:HE3	1:540:A:VAL:HG13	7	0.36
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	8	0.36
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	8	0.36
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	8	0.36
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	10	0.36
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	4	0.36
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	4	0.36
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	4	0.36
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	4	0.36
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	8	0.36
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	8	0.36
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	8	0.36
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	8	0.36
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	8	0.36
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	8	0.36
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	8	0.36
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	8	0.36
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	10	0.36
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB1	1	0.36
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB2	1	0.36
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB3	1	0.36
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD11	7	0.36
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD12	7	0.36
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD13	7	0.36
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	1	0.36
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	1	0.36
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	1	0.36
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	6	0.36
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	6	0.36
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	6	0.36
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	6	0.36
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	6	0.36
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	6	0.36
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	2	0.36
(1,258)	1:476:A:GLU:HA	1:510:A:HIS:HD2	9	0.36
(1,234)	1:472:A:GLU:HA	1:513:A:ILE:HG13	6	0.36
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG21	3	0.36
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG22	3	0.36
(1,224)	1:477:A:VAL:HB	1:529:A:THR:HG23	3	0.36
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	8	0.36
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	8	0.36
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	8	0.36
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD2	5	0.36
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD3	5	0.36
(1,134)	1:465:A:VAL:HG21	1:468:A:GLY:H	7	0.36
(1,134)	1:465:A:VAL:HG22	1:468:A:GLY:H	7	0.36
(1,134)	1:465:A:VAL:HG23	1:468:A:GLY:H	7	0.36
(1,2298)	1:528:A:CYS:HB2	1:532:A:GLY:H	3	0.35
(1,2298)	1:528:A:CYS:HB3	1:532:A:GLY:H	3	0.35
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	1	0.35
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	1	0.35
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	4	0.35
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	4	0.35
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	4	0.35
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	4	0.35
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	10	0.35
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	10	0.35
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	10	0.35
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	10	0.35
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	10	0.35
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	3	0.35
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	3	0.35
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	3	0.35
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	3	0.35
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	3	0.35
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	3	0.35
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB2	8	0.35
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB3	8	0.35
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB3	8	0.35
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB3	8	0.35
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB3	8	0.35
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB3	8	0.35
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB3	8	0.35
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	7	0.35
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	7	0.35
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	7	0.35
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	7	0.35
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	7	0.35
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	7	0.35
(1,1959)	1:460:A:LEU:HD11	1:461:A:GLU:H	9	0.35
(1,1959)	1:460:A:LEU:HD12	1:461:A:GLU:H	9	0.35
(1,1959)	1:460:A:LEU:HD13	1:461:A:GLU:H	9	0.35
(1,1959)	1:460:A:LEU:HD21	1:461:A:GLU:H	9	0.35
(1,1959)	1:460:A:LEU:HD22	1:461:A:GLU:H	9	0.35
(1,1959)	1:460:A:LEU:HD23	1:461:A:GLU:H	9	0.35
(1,1888)	1:527:A:LEU:H	1:535:A:LEU:H	1	0.35
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	1	0.35
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	1	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	2	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	2	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	2	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	2	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	2	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG21	9	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG22	9	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG23	9	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG11	9	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG12	9	0.35
(1,1825)	1:522:A:ALA:H	1:540:A:VAL:HG13	9	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	1	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	1	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	1	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	10	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	10	0.35
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	10	0.35
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	5	0.35
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	1	0.35
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	4	0.35
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	4	0.35
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	3	0.35
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	9	0.35
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	9	0.35
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	9	0.35
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	5	0.35
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	5	0.35
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	5	0.35
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	8	0.35
(1,1730)	1:490:A:GLY:H	1:524:A:HIS:H	8	0.35
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	4	0.35
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	7	0.35
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	2	0.35
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	9	0.35
(1,1637)	1:467:A:VAL:H	1:469:A:GLN:HE21	6	0.35
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	8	0.35
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	8	0.35
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	8	0.35
(1,1583)	1:455:A:LEU:H	1:456:A:ILE:HG12	4	0.35
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	5	0.35
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	2	0.35
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	1	0.35
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	1	0.35
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	10	0.35
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	7	0.35
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	1	0.35
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	1	0.35
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	2	0.35
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	2	0.35
(1,1321)	1:478:A:SER:HA	1:508:A:GLN:HE21	2	0.35
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	9	0.35
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	4	0.35
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	1	0.35
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	1	0.35
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	1	0.35
(1,1129)	1:502:A:ARG:HB2	1:515:A:ASN:H	9	0.35
(1,1129)	1:502:A:ARG:HB3	1:515:A:ASN:H	9	0.35
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	7	0.35
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	2	0.35
(1,1070)	1:493:A:LEU:H	1:503:A:PHE:HZ	8	0.35
(1,980)	1:500:A:LYS:HB3	1:501:A:TYR:HE2	3	0.35
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	2	0.35
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG11	8	0.35
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG12	8	0.35
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG13	8	0.35
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	2	0.35
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	2	0.35
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	2	0.35
(1,881)	1:539:A:ILE:HD11	1:540:A:VAL:H	1	0.35
(1,881)	1:539:A:ILE:HD12	1:540:A:VAL:H	1	0.35
(1,881)	1:539:A:ILE:HD13	1:540:A:VAL:H	1	0.35
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	1	0.35
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	2	0.35
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	2	0.35
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	8	0.35
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	8	0.35
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	8	0.35
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	8	0.35
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	8	0.35
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	8	0.35
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	1	0.35
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	7	0.35
(1,491)	1:495:A:ARG:HA	1:495:A:ARG:HD3	9	0.35
(1,375)	1:487:A:LEU:HA	1:493:A:LEU:HA	1	0.35
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	3	0.35
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	7	0.35
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	3	0.35
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	3	0.35
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	10	0.35
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	10	0.35
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	10	0.35
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	5	0.35
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	5	0.35
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	5	0.35
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	10	0.35
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	10	0.35
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	10	0.35
(1,205)	1:502:A:ARG:HD2	1:515:A:ASN:H	4	0.35
(1,205)	1:502:A:ARG:HD3	1:515:A:ASN:H	4	0.35
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	2	0.35
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	2	0.35
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	2	0.35
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	2	0.35
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	2	0.35
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	2	0.35
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB1	8	0.35
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB2	8	0.35
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB3	8	0.35
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	6	0.35
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	6	0.35
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	6	0.35
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD21	4	0.34
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD22	4	0.34
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD21	4	0.34
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD22	4	0.34
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD21	4	0.34
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD22	4	0.34
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD21	3	0.34
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD22	3	0.34
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	3	0.34
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	3	0.34
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	8	0.34
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	8	0.34
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	8	0.34
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	8	0.34
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	5	0.34
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	5	0.34
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	5	0.34
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	5	0.34
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	5	0.34
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	5	0.34
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	5	0.34
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	5	0.34
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	5	0.34
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	5	0.34
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD11	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD12	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD13	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD21	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD22	5	0.34
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD23	5	0.34
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB2	9	0.34
(1,2102)	1:485:A:LYS:HB2	1:528:A:CYS:HB3	9	0.34
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB2	9	0.34
(1,2102)	1:485:A:LYS:HB3	1:528:A:CYS:HB3	9	0.34
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	2	0.34
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	2	0.34
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	2	0.34
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	2	0.34
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	2	0.34
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	2	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	4	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	4	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	4	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	4	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	4	0.34
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	4	0.34
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	4	0.34
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	4	0.34
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	4	0.34
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	5	0.34
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	5	0.34
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	5	0.34
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	5	0.34
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	2	0.34
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	6	0.34
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	6	0.34
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	7	0.34
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	7	0.34
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	7	0.34
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	2	0.34
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	2	0.34
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	2	0.34
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	10	0.34
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	10	0.34
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	10	0.34
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	5	0.34
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	4	0.34
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	4	0.34
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	4	0.34
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	10	0.34
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	1	0.34
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	1	0.34
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	8	0.34
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	4	0.34
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	8	0.34
(1,1556)	1:519:A:LEU:HA	1:540:A:VAL:H	6	0.34
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	1	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	1	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	1	0.34
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	1	0.34
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	4	0.34
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	4	0.34
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	4	0.34
(1,1366)	1:517:A:ALA:HB1	1:521:A:ASP:H	9	0.34
(1,1366)	1:517:A:ALA:HB2	1:521:A:ASP:H	9	0.34
(1,1366)	1:517:A:ALA:HB3	1:521:A:ASP:H	9	0.34
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	7	0.34
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	7	0.34
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	7	0.34
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	6	0.34
(1,1252)	1:510:A:HIS:HD2	1:511:A:HIS:H	9	0.34
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	2	0.34
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	6	0.34
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	6	0.34
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	6	0.34
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	6	0.34
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	6	0.34
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	5	0.34
(1,987)	1:505:A:LYS:HB2	1:510:A:HIS:HE1	1	0.34
(1,987)	1:505:A:LYS:HB3	1:510:A:HIS:HE1	1	0.34
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	5	0.34
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG2	8	0.34
(1,884)	1:539:A:ILE:HD11	1:541:A:GLN:HG3	8	0.34
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG2	8	0.34
(1,884)	1:539:A:ILE:HD12	1:541:A:GLN:HG3	8	0.34
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG2	8	0.34
(1,884)	1:539:A:ILE:HD13	1:541:A:GLN:HG3	8	0.34
(1,785)	1:485:A:LYS:HG2	1:528:A:CYS:HB2	2	0.34
(1,785)	1:485:A:LYS:HG3	1:528:A:CYS:HB2	2	0.34
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	1	0.34
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	1	0.34
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	1	0.34
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	1	0.34
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	1	0.34
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	1	0.34
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	1	0.34
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	1	0.34
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	1	0.34
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	6	0.34
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	8	0.34
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	2	0.34
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	2	0.34
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	2	0.34
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD11	9	0.34
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD12	9	0.34
(1,724)	1:522:A:ALA:HB1	1:539:A:ILE:HD13	9	0.34
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD11	9	0.34
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD12	9	0.34
(1,724)	1:522:A:ALA:HB2	1:539:A:ILE:HD13	9	0.34
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD11	9	0.34
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD12	9	0.34
(1,724)	1:522:A:ALA:HB3	1:539:A:ILE:HD13	9	0.34
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD11	6	0.34
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD12	6	0.34
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD13	6	0.34
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	7	0.34
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	7	0.34
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	7	0.34
(1,516)	1:505:A:LYS:HE2	1:506:A:ASP:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:505:A:LYS:HE3	1:506:A:ASP:H	8	0.34
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	2	0.34
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	2	0.34
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	2	0.34
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	2	0.34
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	2	0.34
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	2	0.34
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	2	0.34
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	6	0.34
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	6	0.34
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	6	0.34
(1,240)	1:472:A:GLU:HG3	1:473:A:PHE:H	5	0.34
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	2	0.34
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	2	0.34
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	2	0.34
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	2	0.34
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	2	0.34
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	2	0.34
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE1	10	0.34
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE2	10	0.34
(1,162)	1:467:A:VAL:HA	1:518:A:MET:HE3	10	0.34
(1,133)	1:465:A:VAL:HG21	1:539:A:ILE:H	10	0.34
(1,133)	1:465:A:VAL:HG22	1:539:A:ILE:H	10	0.34
(1,133)	1:465:A:VAL:HG23	1:539:A:ILE:H	10	0.34
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	8	0.34
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	8	0.34
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	8	0.34
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	8	0.33
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	8	0.33
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	8	0.33
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	8	0.33
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	8	0.33
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	8	0.33
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	8	0.33
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	4	0.33
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	4	0.33
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	4	0.33
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	4	0.33
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	4	0.33
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	9	0.33
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	9	0.33
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	9	0.33
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	9	0.33
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	9	0.33
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	9	0.33
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG3	5	0.33
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG3	5	0.33
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG3	5	0.33
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG3	5	0.33
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG3	5	0.33
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG2	5	0.33
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG3	5	0.33
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	8	0.33
(1,1875)	1:529:A:THR:H	1:533:A:GLN:H	5	0.33
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	8	0.33
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	8	0.33
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	8	0.33
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	1	0.33
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	3	0.33
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	7	0.33
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	5	0.33
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	10	0.33
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	1	0.33
(1,1599)	1:457:A:THR:H	1:476:A:GLU:HB2	6	0.33
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	4	0.33
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	9	0.33
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	9	0.33
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	5	0.33
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	5	0.33
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	5	0.33
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	7	0.33
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	6	0.33
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	6	0.33
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	10	0.33
(1,1233)	1:489:A:ASP:HA	1:524:A:HIS:H	8	0.33
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	4	0.33
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	6	0.33
(1,1153)	1:518:A:MET:H	1:518:A:MET:HG3	7	0.33
(1,1153)	1:518:A:MET:H	1:518:A:MET:HG2	7	0.33
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	4	0.33
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	5	0.33
(1,1074)	1:464:A:LEU:H	1:464:A:LEU:HB3	10	0.33
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	9	0.33
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	10	0.33
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	10	0.33
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	10	0.33
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG21	2	0.33
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG22	2	0.33
(1,933)	1:523:A:GLY:H	1:540:A:VAL:HG23	2	0.33
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG21	5	0.33
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG22	5	0.33
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG23	5	0.33
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	2	0.33
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	2	0.33
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	2	0.33
(1,799)	1:484:A:VAL:HB	1:529:A:THR:HA	10	0.33
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	1	0.33
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	1	0.33
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	6	0.33
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	6	0.33
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	6	0.33
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	6	0.33
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	6	0.33
(1,654)	1:468:A:GLY:HA3	1:516:A:GLU:HB2	4	0.33
(1,654)	1:468:A:GLY:HA3	1:516:A:GLU:HB3	4	0.33
(1,654)	1:468:A:GLY:HA2	1:516:A:GLU:HB2	4	0.33
(1,654)	1:468:A:GLY:HA2	1:516:A:GLU:HB3	4	0.33
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	6	0.33
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	6	0.33
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	6	0.33
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	6	0.33
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	6	0.33
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	6	0.33
(1,558)	1:486:A:TRP:HH2	1:511:A:HIS:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	3	0.33
(1,378)	1:487:A:LEU:HB2	1:492:A:GLU:HA	1	0.33
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	6	0.33
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	6	0.33
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	6	0.33
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	1	0.33
(1,259)	1:458:A:ARG:H	1:476:A:GLU:HB3	1	0.33
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	4	0.33
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	4	0.33
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	4	0.33
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	4	0.33
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	4	0.33
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	4	0.33
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	3	0.33
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	3	0.33
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	3	0.33
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB2	2	0.33
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB3	2	0.33
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB2	2	0.33
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB3	2	0.33
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB2	2	0.33
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB3	2	0.33
(1,15)	1:454:A:VAL:HB	1:529:A:THR:HB	8	0.33
(1,2248)	1:513:A:ILE:HG21	1:515:A:ASN:HD21	3	0.32
(1,2248)	1:513:A:ILE:HG21	1:515:A:ASN:HD22	3	0.32
(1,2248)	1:513:A:ILE:HG22	1:515:A:ASN:HD21	3	0.32
(1,2248)	1:513:A:ILE:HG22	1:515:A:ASN:HD22	3	0.32
(1,2248)	1:513:A:ILE:HG23	1:515:A:ASN:HD21	3	0.32
(1,2248)	1:513:A:ILE:HG23	1:515:A:ASN:HD22	3	0.32
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	1	0.32
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	1	0.32
(1,2228)	1:506:A:ASP:HB2	1:508:A:GLN:H	6	0.32
(1,2228)	1:506:A:ASP:HB3	1:508:A:GLN:H	6	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	1	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	1	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	1	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	1	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	1	0.32
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	1	0.32
(1,2159)	1:488:A:LYS:HE2	1:489:A:ASP:HA	3	0.32
(1,2159)	1:488:A:LYS:HE3	1:489:A:ASP:HA	3	0.32
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	1	0.32
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	1	0.32
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	1	0.32
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	1	0.32
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	1	0.32
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	3	0.32
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	3	0.32
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	3	0.32
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	3	0.32
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	3	0.32
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	3	0.32
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB1	10	0.32
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB2	10	0.32
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB3	10	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB1	10	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB2	10	0.32
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB3	10	0.32
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	4	0.32
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	4	0.32
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	4	0.32
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	4	0.32
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	4	0.32
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	4	0.32
(1,2053)	1:471:A:VAL:HG11	1:473:A:PHE:HD1	10	0.32
(1,2053)	1:471:A:VAL:HG12	1:473:A:PHE:HD1	10	0.32
(1,2053)	1:471:A:VAL:HG13	1:473:A:PHE:HD1	10	0.32
(1,2053)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	10	0.32
(1,2053)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	10	0.32
(1,2053)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	10	0.32
(1,1895)	1:522:A:ALA:HA	1:539:A:ILE:H	6	0.32
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	6	0.32
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	6	0.32
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	6	0.32
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	9	0.32
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	2	0.32
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	2	0.32
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	6	0.32
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	1	0.32
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	6	0.32
(1,1688)	1:480:A:GLU:H	1:508:A:GLN:HG2	3	0.32
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	6	0.32
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	4	0.32
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	7	0.32
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	1	0.32
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	9	0.32
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	10	0.32
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	9	0.32
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	9	0.32
(1,1474)	1:456:A:ILE:HD11	1:460:A:LEU:H	9	0.32
(1,1474)	1:456:A:ILE:HD12	1:460:A:LEU:H	9	0.32
(1,1474)	1:456:A:ILE:HD13	1:460:A:LEU:H	9	0.32
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	9	0.32
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB1	9	0.32
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB2	9	0.32
(1,1402)	1:476:A:GLU:H	1:534:A:ALA:HB3	9	0.32
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	10	0.32
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	7	0.32
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	7	0.32
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	7	0.32
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	5	0.32
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	6	0.32
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	5	0.32
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	9	0.32
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	10	0.32
(1,1043)	1:486:A:TRP:HE1	1:510:A:HIS:HB3	8	0.32
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	9	0.32
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	1	0.32
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	3	0.32
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	3	0.32
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	3	0.32
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	8	0.32
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	8	0.32
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	8	0.32
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG11	7	0.32
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG12	7	0.32
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG13	7	0.32
(1,851)	1:526:A:ALA:HB1	1:535:A:LEU:HG	5	0.32
(1,851)	1:526:A:ALA:HB2	1:535:A:LEU:HG	5	0.32
(1,851)	1:526:A:ALA:HB3	1:535:A:LEU:HG	5	0.32
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	1	0.32
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	3	0.32
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	7	0.32
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	7	0.32
(1,445)	1:498:A:THR:HA	1:501:A:TYR:HD1	10	0.32
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB2	6	0.32
(1,406)	1:485:A:LYS:HG2	1:492:A:GLU:HB3	6	0.32
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB2	6	0.32
(1,406)	1:485:A:LYS:HG3	1:492:A:GLU:HB3	6	0.32
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	10	0.32
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	10	0.32
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	10	0.32
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	2	0.32
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	2	0.32
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	2	0.32
(1,322)	1:482:A:ALA:HB1	1:484:A:VAL:H	5	0.32
(1,322)	1:482:A:ALA:HB2	1:484:A:VAL:H	5	0.32
(1,322)	1:482:A:ALA:HB3	1:484:A:VAL:H	5	0.32
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	10	0.32
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	5	0.32
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	3	0.32
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	3	0.32
(1,170)	1:467:A:VAL:HG11	1:519:A:LEU:HA	8	0.32
(1,170)	1:467:A:VAL:HG12	1:519:A:LEU:HA	8	0.32
(1,170)	1:467:A:VAL:HG13	1:519:A:LEU:HA	8	0.32
(1,114)	1:463:A:GLN:HG2	1:465:A:VAL:HA	10	0.32
(1,114)	1:463:A:GLN:HG3	1:465:A:VAL:HA	10	0.32
(1,60)	1:456:A:ILE:HG21	1:476:A:GLU:HB2	3	0.32
(1,60)	1:456:A:ILE:HG22	1:476:A:GLU:HB2	3	0.32
(1,60)	1:456:A:ILE:HG23	1:476:A:GLU:HB2	3	0.32
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	3	0.32
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	3	0.32
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	3	0.32
(1,4)	1:456:A:ILE:HG21	1:459:A:PRO:HA	3	0.32
(1,4)	1:456:A:ILE:HG22	1:459:A:PRO:HA	3	0.32
(1,4)	1:456:A:ILE:HG23	1:459:A:PRO:HA	3	0.32
(1,3)	1:456:A:ILE:HD11	1:459:A:PRO:HA	8	0.32
(1,3)	1:456:A:ILE:HD12	1:459:A:PRO:HA	8	0.32
(1,3)	1:456:A:ILE:HD13	1:459:A:PRO:HA	8	0.32
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	5	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	5	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	5	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	5	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	5	0.31
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD2	3	0.31
(1,2216)	1:504:A:LYS:H	1:504:A:LYS:HD3	3	0.31
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	6	0.31
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	6	0.31
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	6	0.31
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	6	0.31
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	6	0.31
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	6	0.31
(1,2045)	1:467:A:VAL:HG11	1:543:A:LYS:H	1	0.31
(1,2045)	1:467:A:VAL:HG12	1:543:A:LYS:H	1	0.31
(1,2045)	1:467:A:VAL:HG13	1:543:A:LYS:H	1	0.31
(1,2045)	1:467:A:VAL:HG21	1:543:A:LYS:H	1	0.31
(1,2045)	1:467:A:VAL:HG22	1:543:A:LYS:H	1	0.31
(1,2045)	1:467:A:VAL:HG23	1:543:A:LYS:H	1	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	3	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	3	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	3	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	3	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	3	0.31
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	3	0.31
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	4	0.31
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	4	0.31
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	9	0.31
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	9	0.31
(1,1784)	1:488:A:LYS:H	1:490:A:GLY:HA2	7	0.31
(1,1759)	1:495:A:ARG:HB2	1:497:A:GLU:H	1	0.31
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	1	0.31
(1,1723)	1:486:A:TRP:HE1	1:510:A:HIS:HA	1	0.31
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	7	0.31
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	7	0.31
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	7	0.31
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	2	0.31
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	2	0.31
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	2	0.31
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	8	0.31
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	10	0.31
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	5	0.31
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	9	0.31
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	7	0.31
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	5	0.31
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	5	0.31
(1,1392)	1:459:A:PRO:HA	1:535:A:LEU:H	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	6	0.31
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	9	0.31
(1,1312)	1:502:A:ARG:HD2	1:515:A:ASN:HD21	6	0.31
(1,1312)	1:502:A:ARG:HD3	1:515:A:ASN:HD21	6	0.31
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	7	0.31
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	1	0.31
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	9	0.31
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	2	0.31
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	9	0.31
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	9	0.31
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	2	0.31
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	6	0.31
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	6	0.31
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	6	0.31
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	5	0.31
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	5	0.31
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	5	0.31
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	5	0.31
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	5	0.31
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	5	0.31
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	10	0.31
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	2	0.31
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	2	0.31
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	2	0.31
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	6	0.31
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	6	0.31
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	6	0.31
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	7	0.31
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	7	0.31
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	7	0.31
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	6	0.31
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	6	0.31
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	6	0.31
(1,881)	1:539:A:ILE:HD11	1:540:A:VAL:H	9	0.31
(1,881)	1:539:A:ILE:HD12	1:540:A:VAL:H	9	0.31
(1,881)	1:539:A:ILE:HD13	1:540:A:VAL:H	9	0.31
(1,802)	1:454:A:VAL:HA	1:529:A:THR:HB	6	0.31
(1,746)	1:460:A:LEU:HD21	1:526:A:ALA:HA	1	0.31
(1,746)	1:460:A:LEU:HD22	1:526:A:ALA:HA	1	0.31
(1,746)	1:460:A:LEU:HD23	1:526:A:ALA:HA	1	0.31
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG21	9	0.31
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG22	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG23	9	0.31
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG21	9	0.31
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG22	9	0.31
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG23	9	0.31
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG21	9	0.31
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG22	9	0.31
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG23	9	0.31
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	8	0.31
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	8	0.31
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	8	0.31
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB1	6	0.31
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB2	6	0.31
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB3	6	0.31
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	10	0.31
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	4	0.31
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	4	0.31
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	4	0.31
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	1	0.31
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	1	0.31
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	1	0.31
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	1	0.31
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	1	0.31
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	1	0.31
(1,586)	1:502:A:ARG:H	1:513:A:ILE:HB	8	0.31
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	8	0.31
(1,482)	1:498:A:THR:HG21	1:500:A:LYS:HE3	5	0.31
(1,482)	1:498:A:THR:HG22	1:500:A:LYS:HE3	5	0.31
(1,482)	1:498:A:THR:HG23	1:500:A:LYS:HE3	5	0.31
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD2	3	0.31
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD3	3	0.31
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG2	2	0.31
(1,313)	1:485:A:LYS:HD2	1:492:A:GLU:HG3	2	0.31
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG2	2	0.31
(1,313)	1:485:A:LYS:HD3	1:492:A:GLU:HG3	2	0.31
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	3	0.31
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	3	0.31
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	3	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	2	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	2	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	2	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	6	0.31
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	6	0.31
(1,134)	1:465:A:VAL:HG21	1:468:A:GLY:H	1	0.31
(1,134)	1:465:A:VAL:HG22	1:468:A:GLY:H	1	0.31
(1,134)	1:465:A:VAL:HG23	1:468:A:GLY:H	1	0.31
(1,132)	1:465:A:VAL:HG21	1:471:A:VAL:H	7	0.31
(1,132)	1:465:A:VAL:HG22	1:471:A:VAL:H	7	0.31
(1,132)	1:465:A:VAL:HG23	1:471:A:VAL:H	7	0.31
(1,102)	1:463:A:GLN:HG2	1:464:A:LEU:HA	5	0.31
(1,102)	1:463:A:GLN:HG3	1:464:A:LEU:HA	5	0.31
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	4	0.31
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	4	0.31
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	4	0.31
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	6	0.31
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	6	0.31
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	6	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	6	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	6	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	6	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	6	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	6	0.3
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	6	0.3
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	1	0.3
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	1	0.3
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	1	0.3
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	1	0.3
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	1	0.3
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	1	0.3
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	1	0.3
(1,2279)	1:524:A:HIS:HB2	1:538:A:LEU:H	6	0.3
(1,2279)	1:524:A:HIS:HB3	1:538:A:LEU:H	6	0.3
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	8	0.3
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	8	0.3
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD21	8	0.3
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD22	8	0.3
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD23	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD11	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD12	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD13	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD21	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD22	8	0.3
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD23	8	0.3
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	2	0.3
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	2	0.3
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB2	5	0.3
(1,2158)	1:488:A:LYS:HD2	1:524:A:HIS:HB3	5	0.3
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	4	0.3
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	4	0.3
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	4	0.3
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	4	0.3
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	4	0.3
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	4	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD11	1	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD12	1	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD13	1	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD21	1	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD22	1	0.3
(1,2135)	1:487:A:LEU:HA	1:493:A:LEU:HD23	1	0.3
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	5	0.3
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	5	0.3
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	8	0.3
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	8	0.3
(1,1921)	1:519:A:LEU:HD11	1:542:A:GLU:H	3	0.3
(1,1921)	1:519:A:LEU:HD12	1:542:A:GLU:H	3	0.3
(1,1921)	1:519:A:LEU:HD13	1:542:A:GLU:H	3	0.3
(1,1907)	1:466:A:MET:H	1:541:A:GLN:HE21	6	0.3
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	3	0.3
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	3	0.3
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	3	0.3
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	7	0.3
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	7	0.3
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	7	0.3
(1,1847)	1:487:A:LEU:HB3	1:526:A:ALA:H	9	0.3
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	5	0.3
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	5	0.3
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	9	0.3
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	9	0.3
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	2	0.3
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	2	0.3
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	8	0.3
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	8	0.3
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	3	0.3
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	9	0.3
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	9	0.3
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	9	0.3
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	10	0.3
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	2	0.3
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	2	0.3
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	2	0.3
(1,1688)	1:480:A:GLU:H	1:508:A:GLN:HG2	9	0.3
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	7	0.3
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	7	0.3
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	2	0.3
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	2	0.3
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	4	0.3
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	4	0.3
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	5	0.3
(1,1391)	1:459:A:PRO:HB2	1:535:A:LEU:H	3	0.3
(1,1391)	1:459:A:PRO:HB3	1:535:A:LEU:H	3	0.3
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	10	0.3
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	1	0.3
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	1	0.3
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	1	0.3
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	7	0.3
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	7	0.3
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	7	0.3
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	8	0.3
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	3	0.3
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	1	0.3
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	3	0.3
(1,1331)	1:453:A:PRO:HB2	1:531:A:GLY:H	6	0.3
(1,1321)	1:478:A:SER:HA	1:508:A:GLN:HE21	5	0.3
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	2	0.3
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	2	0.3
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:515:A:ASN:H	1:515:A:ASN:HD22	4	0.3
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	2	0.3
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	4	0.3
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	4	0.3
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	4	0.3
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	8	0.3
(1,1072)	1:487:A:LEU:H	1:493:A:LEU:H	9	0.3
(1,1070)	1:493:A:LEU:H	1:503:A:PHE:HZ	9	0.3
(1,1040)	1:455:A:LEU:H	1:477:A:VAL:HB	2	0.3
(1,1028)	1:488:A:LYS:HD2	1:489:A:ASP:H	8	0.3
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	1	0.3
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	1	0.3
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	1	0.3
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	5	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	3	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	3	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	3	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	4	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	4	0.3
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	4	0.3
(1,789)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	8	0.3
(1,789)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	8	0.3
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	4	0.3
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	4	0.3
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	4	0.3
(1,750)	1:526:A:ALA:HA	1:534:A:ALA:H	3	0.3
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	3	0.3
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	3	0.3
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	3	0.3
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	5	0.3
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	5	0.3
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG21	1	0.3
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG22	1	0.3
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG23	1	0.3
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG21	1	0.3
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG22	1	0.3
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG23	1	0.3
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG21	1	0.3
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG22	1	0.3
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG23	1	0.3
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	2	0.3
(1,550)	1:510:A:HIS:HA	1:511:A:HIS:HD2	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	10	0.3
(1,429)	1:495:A:ARG:HA	1:503:A:PHE:HZ	1	0.3
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	1	0.3
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	1	0.3
(1,371)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	1	0.3
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	7	0.3
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	7	0.3
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	7	0.3
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	2	0.3
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	10	0.3
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	4	0.3
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	4	0.3
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	8	0.3
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	8	0.3
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	8	0.3
(1,142)	1:465:A:VAL:HG21	1:471:A:VAL:HB	1	0.3
(1,142)	1:465:A:VAL:HG22	1:471:A:VAL:HB	1	0.3
(1,142)	1:465:A:VAL:HG23	1:471:A:VAL:HB	1	0.3
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	3	0.3
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	3	0.3
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	3	0.3
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	9	0.3
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	9	0.3
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	9	0.3
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	4	0.3
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	5	0.3
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	5	0.3
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	5	0.3
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	9	0.29
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	9	0.29
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	9	0.29
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	9	0.29
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	9	0.29
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	9	0.29
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	9	0.29
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	8	0.29
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD11	8	0.29
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD12	8	0.29
(1,2224)	1:504:A:LYS:HD2	1:513:A:ILE:HD13	8	0.29
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD11	8	0.29
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD12	8	0.29
(1,2224)	1:504:A:LYS:HD3	1:513:A:ILE:HD13	8	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD11	4	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD12	4	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD13	4	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD21	4	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD22	4	0.29
(1,2206)	1:502:A:ARG:HA	1:512:A:LEU:HD23	4	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD11	8	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD12	8	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD13	8	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD21	8	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD22	8	0.29
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD23	8	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	3	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	3	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	3	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	3	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	3	0.29
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	3	0.29
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	2	0.29
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	2	0.29
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	2	0.29
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	2	0.29
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	10	0.29
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	10	0.29
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	10	0.29
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	10	0.29
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	10	0.29
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	10	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD11	7	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD12	7	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD13	7	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD21	7	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD22	7	0.29
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD23	7	0.29
(1,2003)	1:464:A:LEU:HD11	1:539:A:ILE:H	1	0.29
(1,2003)	1:464:A:LEU:HD12	1:539:A:ILE:H	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:464:A:LEU:HD13	1:539:A:ILE:H	1	0.29
(1,2003)	1:464:A:LEU:HD21	1:539:A:ILE:H	1	0.29
(1,2003)	1:464:A:LEU:HD22	1:539:A:ILE:H	1	0.29
(1,2003)	1:464:A:LEU:HD23	1:539:A:ILE:H	1	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD11	10	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD12	10	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD13	10	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD21	10	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD22	10	0.29
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD23	10	0.29
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	1	0.29
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	1	0.29
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB2	10	0.29
(1,1988)	1:461:A:GLU:H	1:475:A:CYS:HB3	10	0.29
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	8	0.29
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	8	0.29
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	8	0.29
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	8	0.29
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	8	0.29
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	8	0.29
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB2	9	0.29
(1,1939)	1:455:A:LEU:HG	1:478:A:SER:HB3	9	0.29
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	2	0.29
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	10	0.29
(1,1885)	1:527:A:LEU:HB2	1:534:A:ALA:H	7	0.29
(1,1845)	1:487:A:LEU:HB2	1:526:A:ALA:H	7	0.29
(1,1838)	1:523:A:GLY:H	1:538:A:LEU:HB3	7	0.29
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	9	0.29
(1,1822)	1:501:A:TYR:HA	1:515:A:ASN:HD21	4	0.29
(1,1822)	1:501:A:TYR:HA	1:515:A:ASN:HD22	4	0.29
(1,1811)	1:471:A:VAL:HA	1:514:A:ILE:H	6	0.29
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE2	4	0.29
(1,1786)	1:503:A:PHE:H	1:504:A:LYS:HE3	4	0.29
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	6	0.29
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	3	0.29
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	6	0.29
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	1	0.29
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	5	0.29
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	5	0.29
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	4	0.29
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	10	0.29
(1,1581)	1:454:A:VAL:H	1:532:A:GLY:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	1	0.29
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	1	0.29
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	2	0.29
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	6	0.29
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	6	0.29
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	6	0.29
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	1	0.29
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	5	0.29
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	5	0.29
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	5	0.29
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	6	0.29
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	3	0.29
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB2	6	0.29
(1,1265)	1:468:A:GLY:H	1:516:A:GLU:HB3	6	0.29
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	3	0.29
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	3	0.29
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	3	0.29
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	3	0.29
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	4	0.29
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	4	0.29
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	4	0.29
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	4	0.29
(1,1147)	1:486:A:TRP:H	1:486:A:TRP:HE1	5	0.29
(1,1145)	1:486:A:TRP:H	1:486:A:TRP:HD1	5	0.29
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	6	0.29
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	6	0.29
(1,990)	1:477:A:VAL:HG21	1:510:A:HIS:HE1	5	0.29
(1,990)	1:477:A:VAL:HG22	1:510:A:HIS:HE1	5	0.29
(1,990)	1:477:A:VAL:HG23	1:510:A:HIS:HE1	5	0.29
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG13	10	0.29
(1,978)	1:501:A:TYR:HE2	1:514:A:ILE:HG12	10	0.29
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	3	0.29
(1,962)	1:473:A:PHE:HZ	1:525:A:TYR:HE1	6	0.29
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG11	1	0.29
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG12	1	0.29
(1,902)	1:468:A:GLY:H	1:540:A:VAL:HG13	1	0.29
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD11	1	0.29
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD12	1	0.29
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD13	1	0.29
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	3	0.29
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	3	0.29
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB2	7	0.29
(1,794)	1:529:A:THR:HA	1:530:A:SER:HB3	7	0.29
(1,752)	1:485:A:LYS:H	1:527:A:LEU:HA	9	0.29
(1,641)	1:471:A:VAL:H	1:515:A:ASN:HA	4	0.29
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	2	0.29
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	2	0.29
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	2	0.29
(1,609)	1:502:A:ARG:HA	1:513:A:ILE:HG21	10	0.29
(1,609)	1:502:A:ARG:HA	1:513:A:ILE:HG22	10	0.29
(1,609)	1:502:A:ARG:HA	1:513:A:ILE:HG23	10	0.29
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	2	0.29
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	5	0.29
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	7	0.29
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	9	0.29
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	9	0.29
(1,378)	1:487:A:LEU:HB2	1:492:A:GLU:HA	3	0.29
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	1	0.29
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	10	0.29
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	9	0.29
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	8	0.29
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	4	0.29
(1,166)	1:467:A:VAL:H	1:467:A:VAL:HB	7	0.29
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	7	0.29
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	7	0.29
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	7	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	5	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	5	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	5	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	5	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	5	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	5	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	9	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	9	0.29
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	9	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	9	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	9	0.29
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	9	0.29
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	4	0.29
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	4	0.29
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	4	0.29
(1,125)	1:465:A:VAL:HG11	1:471:A:VAL:HB	7	0.29
(1,125)	1:465:A:VAL:HG12	1:471:A:VAL:HB	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:465:A:VAL:HG13	1:471:A:VAL:HB	7	0.29
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	4	0.28
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	4	0.28
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	4	0.28
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	4	0.28
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	4	0.28
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	4	0.28
(1,2256)	1:515:A:ASN:HD21	1:516:A:GLU:H	3	0.28
(1,2256)	1:515:A:ASN:HD22	1:516:A:GLU:H	3	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD11	7	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD12	7	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD13	7	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD21	7	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD22	7	0.28
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD23	7	0.28
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	4	0.28
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	4	0.28
(1,2160)	1:488:A:LYS:HE2	1:490:A:GLY:H	1	0.28
(1,2160)	1:488:A:LYS:HE3	1:490:A:GLY:H	1	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD11	9	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD12	9	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD13	9	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD21	9	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD22	9	0.28
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD23	9	0.28
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB2	5	0.28
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB3	5	0.28
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	2	0.28
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	2	0.28
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	2	0.28
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	2	0.28
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	2	0.28
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	2	0.28
(1,1985)	1:460:A:LEU:HD11	1:535:A:LEU:HA	2	0.28
(1,1985)	1:460:A:LEU:HD12	1:535:A:LEU:HA	2	0.28
(1,1985)	1:460:A:LEU:HD13	1:535:A:LEU:HA	2	0.28
(1,1985)	1:460:A:LEU:HD21	1:535:A:LEU:HA	2	0.28
(1,1985)	1:460:A:LEU:HD22	1:535:A:LEU:HA	2	0.28
(1,1985)	1:460:A:LEU:HD23	1:535:A:LEU:HA	2	0.28
(1,1975)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	4	0.28
(1,1975)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	4	0.28
(1,1975)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	4	0.28
(1,1975)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	4	0.28
(1,1975)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	4	0.28
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	3	0.28
(1,1912)	1:541:A:GLN:HE21	1:542:A:GLU:HA	9	0.28
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	4	0.28
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	4	0.28
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	4	0.28
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	9	0.28
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	9	0.28
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	2	0.28
(1,1761)	1:499:A:PHE:H	1:500:A:LYS:HG2	4	0.28
(1,1761)	1:499:A:PHE:H	1:500:A:LYS:HG3	4	0.28
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	4	0.28
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	9	0.28
(1,1730)	1:490:A:GLY:H	1:524:A:HIS:H	2	0.28
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	3	0.28
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	8	0.28
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	8	0.28
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	8	0.28
(1,1698)	1:473:A:PHE:H	1:513:A:ILE:H	1	0.28
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	2	0.28
(1,1666)	1:460:A:LEU:HA	1:475:A:CYS:H	2	0.28
(1,1650)	1:466:A:MET:HA	1:469:A:GLN:HE22	6	0.28
(1,1562)	1:465:A:VAL:H	1:540:A:VAL:H	10	0.28
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	2	0.28
(1,1547)	1:469:A:GLN:HB3	1:517:A:ALA:H	3	0.28
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	10	0.28
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	3	0.28
(1,1514)	1:463:A:GLN:HE21	1:472:A:GLU:H	2	0.28
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	5	0.28
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	5	0.28
(1,1453)	1:514:A:ILE:HB	1:516:A:GLU:H	7	0.28
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	10	0.28
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	8	0.28
(1,1348)	1:456:A:ILE:HD11	1:533:A:GLN:H	7	0.28
(1,1348)	1:456:A:ILE:HD12	1:533:A:GLN:H	7	0.28
(1,1348)	1:456:A:ILE:HD13	1:533:A:GLN:H	7	0.28
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	1	0.28
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	4	0.28
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	5	0.28
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	5	0.28
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	7	0.28
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	10	0.28
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	7	0.28
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	7	0.28
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	7	0.28
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	9	0.28
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	9	0.28
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	9	0.28
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	4	0.28
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	4	0.28
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	4	0.28
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	3	0.28
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	3	0.28
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	3	0.28
(1,881)	1:539:A:ILE:HD11	1:540:A:VAL:H	7	0.28
(1,881)	1:539:A:ILE:HD12	1:540:A:VAL:H	7	0.28
(1,881)	1:539:A:ILE:HD13	1:540:A:VAL:H	7	0.28
(1,874)	1:523:A:GLY:H	1:539:A:ILE:HA	8	0.28
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG2	1	0.28
(1,859)	1:469:A:GLN:HE21	1:543:A:LYS:HG3	1	0.28
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD11	2	0.28
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD12	2	0.28
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD13	2	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	5	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	5	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	5	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	6	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	6	0.28
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	6	0.28
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	5	0.28
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	5	0.28
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	5	0.28
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	5	0.28
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	5	0.28
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	5	0.28
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	5	0.28
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	5	0.28
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	5	0.28
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB1	8	0.28
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB2	8	0.28
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB3	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	2	0.28
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	2	0.28
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	2	0.28
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	2	0.28
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	2	0.28
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	2	0.28
(1,522)	1:490:A:GLY:H	1:526:A:ALA:HB1	9	0.28
(1,522)	1:490:A:GLY:H	1:526:A:ALA:HB2	9	0.28
(1,522)	1:490:A:GLY:H	1:526:A:ALA:HB3	9	0.28
(1,483)	1:500:A:LYS:HG2	1:501:A:TYR:HD2	5	0.28
(1,483)	1:500:A:LYS:HG3	1:501:A:TYR:HD2	5	0.28
(1,435)	1:495:A:ARG:HG2	1:496:A:GLU:HA	3	0.28
(1,422)	1:494:A:THR:HG21	1:495:A:ARG:HD3	6	0.28
(1,422)	1:494:A:THR:HG22	1:495:A:ARG:HD3	6	0.28
(1,422)	1:494:A:THR:HG23	1:495:A:ARG:HD3	6	0.28
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	3	0.28
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	3	0.28
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	3	0.28
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	5	0.28
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	4	0.28
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	4	0.28
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	4	0.28
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	4	0.28
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	4	0.28
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	4	0.28
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	5	0.28
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	5	0.28
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	5	0.28
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	9	0.28
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	9	0.28
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	9	0.28
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	9	0.28
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	9	0.28
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	9	0.28
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	9	0.28
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	9	0.28
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	9	0.28
(1,136)	1:465:A:VAL:HG21	1:469:A:GLN:HA	4	0.28
(1,136)	1:465:A:VAL:HG22	1:469:A:GLN:HA	4	0.28
(1,136)	1:465:A:VAL:HG23	1:469:A:GLN:HA	4	0.28
(1,22)	1:454:A:VAL:HG21	1:482:A:ALA:H	7	0.28
(1,22)	1:454:A:VAL:HG22	1:482:A:ALA:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:454:A:VAL:HG23	1:482:A:ALA:H	7	0.28
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	2	0.27
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	2	0.27
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	2	0.27
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	2	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD11	1	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD12	1	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD13	1	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD21	1	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD22	1	0.27
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD23	1	0.27
(1,2042)	1:467:A:VAL:HG11	1:542:A:GLU:H	4	0.27
(1,2042)	1:467:A:VAL:HG12	1:542:A:GLU:H	4	0.27
(1,2042)	1:467:A:VAL:HG13	1:542:A:GLU:H	4	0.27
(1,2042)	1:467:A:VAL:HG21	1:542:A:GLU:H	4	0.27
(1,2042)	1:467:A:VAL:HG22	1:542:A:GLU:H	4	0.27
(1,2042)	1:467:A:VAL:HG23	1:542:A:GLU:H	4	0.27
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	5	0.27
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	5	0.27
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	5	0.27
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	5	0.27
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	5	0.27
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	5	0.27
(1,2022)	1:466:A:MET:HG2	1:540:A:VAL:HA	9	0.27
(1,2022)	1:466:A:MET:HG3	1:540:A:VAL:HA	9	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	5	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	5	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	5	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	5	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	5	0.27
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	5	0.27
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	2	0.27
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	2	0.27
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	2	0.27
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	2	0.27
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	2	0.27
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	2	0.27
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB2	2	0.27
(1,1938)	1:455:A:LEU:HB2	1:478:A:SER:HB3	2	0.27
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB2	2	0.27
(1,1938)	1:455:A:LEU:HB3	1:478:A:SER:HB3	2	0.27
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	4	0.27
(1,1898)	1:541:A:GLN:H	1:543:A:LYS:H	5	0.27
(1,1849)	1:486:A:TRP:HB3	1:526:A:ALA:H	10	0.27
(1,1845)	1:487:A:LEU:HB2	1:526:A:ALA:H	6	0.27
(1,1842)	1:488:A:LYS:HA	1:526:A:ALA:H	3	0.27
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD2	10	0.27
(1,1775)	1:500:A:LYS:H	1:500:A:LYS:HD3	10	0.27
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	3	0.27
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	3	0.27
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	3	0.27
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	10	0.27
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	8	0.27
(1,1653)	1:470:A:ARG:HE	1:513:A:ILE:HG13	3	0.27
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	8	0.27
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	8	0.27
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	8	0.27
(1,1627)	1:467:A:VAL:H	1:542:A:GLU:HA	7	0.27
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	1	0.27
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	7	0.27
(1,1528)	1:506:A:ASP:H	1:510:A:HIS:HE1	3	0.27
(1,1487)	1:461:A:GLU:HB2	1:463:A:GLN:HE21	9	0.27
(1,1487)	1:461:A:GLU:HB3	1:463:A:GLN:HE21	9	0.27
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	4	0.27
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	5	0.27
(1,1453)	1:514:A:ILE:HB	1:516:A:GLU:H	5	0.27
(1,1448)	1:477:A:VAL:HG11	1:479:A:GLU:H	6	0.27
(1,1448)	1:477:A:VAL:HG12	1:479:A:GLU:H	6	0.27
(1,1448)	1:477:A:VAL:HG13	1:479:A:GLU:H	6	0.27
(1,1448)	1:477:A:VAL:HG11	1:479:A:GLU:H	7	0.27
(1,1448)	1:477:A:VAL:HG12	1:479:A:GLU:H	7	0.27
(1,1448)	1:477:A:VAL:HG13	1:479:A:GLU:H	7	0.27
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	5	0.27
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	6	0.27
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	3	0.27
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	3	0.27
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	3	0.27
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	9	0.27
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	9	0.27
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	1	0.27
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	1	0.27
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	1	0.27
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	4	0.27
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	4	0.27
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	10	0.27
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	10	0.27
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	10	0.27
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	4	0.27
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	4	0.27
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	7	0.27
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	6	0.27
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	6	0.27
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	6	0.27
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG21	5	0.27
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG22	5	0.27
(1,1260)	1:468:A:GLY:H	1:514:A:ILE:HG23	5	0.27
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	8	0.27
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE1	3	0.27
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE2	3	0.27
(1,1225)	1:466:A:MET:H	1:466:A:MET:HE3	3	0.27
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	5	0.27
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	5	0.27
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	5	0.27
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	10	0.27
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	10	0.27
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	10	0.27
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	7	0.27
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	4	0.27
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	7	0.27
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	7	0.27
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	8	0.27
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	8	0.27
(1,1093)	1:472:A:GLU:H	1:513:A:ILE:HA	1	0.27
(1,1075)	1:463:A:GLN:HG2	1:464:A:LEU:H	6	0.27
(1,1075)	1:463:A:GLN:HG3	1:464:A:LEU:H	6	0.27
(1,1069)	1:487:A:LEU:HA	1:493:A:LEU:H	1	0.27
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	7	0.27
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	1	0.27
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	3	0.27
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	3	0.27
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	3	0.27
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	9	0.27
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	7	0.27
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	7	0.27
(1,746)	1:460:A:LEU:HD21	1:526:A:ALA:HA	10	0.27
(1,746)	1:460:A:LEU:HD22	1:526:A:ALA:HA	10	0.27
(1,746)	1:460:A:LEU:HD23	1:526:A:ALA:HA	10	0.27
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	3	0.27
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	7	0.27
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	7	0.27
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	7	0.27
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	3	0.27
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	3	0.27
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	3	0.27
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	3	0.27
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	3	0.27
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	3	0.27
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	4	0.27
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	5	0.27
(1,360)	1:486:A:TRP:HA	1:526:A:ALA:HB1	5	0.27
(1,360)	1:486:A:TRP:HA	1:526:A:ALA:HB2	5	0.27
(1,360)	1:486:A:TRP:HA	1:526:A:ALA:HB3	5	0.27
(1,350)	1:484:A:VAL:HG21	1:486:A:TRP:H	9	0.27
(1,350)	1:484:A:VAL:HG22	1:486:A:TRP:H	9	0.27
(1,350)	1:484:A:VAL:HG23	1:486:A:TRP:H	9	0.27
(1,332)	1:484:A:VAL:HG11	1:486:A:TRP:HE1	7	0.27
(1,332)	1:484:A:VAL:HG12	1:486:A:TRP:HE1	7	0.27
(1,332)	1:484:A:VAL:HG13	1:486:A:TRP:HE1	7	0.27
(1,332)	1:484:A:VAL:HG11	1:486:A:TRP:HE1	9	0.27
(1,332)	1:484:A:VAL:HG12	1:486:A:TRP:HE1	9	0.27
(1,332)	1:484:A:VAL:HG13	1:486:A:TRP:HE1	9	0.27
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	1	0.27
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	1	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	1	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	1	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	1	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	1	0.27
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	7	0.27
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	7	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	7	0.27
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	7	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	7	0.27
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	7	0.27
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	7	0.27
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	7	0.27
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	7	0.27
(1,258)	1:476:A:GLU:HA	1:510:A:HIS:HD2	4	0.27
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	5	0.27
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	5	0.27
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	5	0.27
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD11	7	0.27
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD12	7	0.27
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD13	7	0.27
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	10	0.27
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB2	3	0.27
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB3	3	0.27
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB2	3	0.27
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB3	3	0.27
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB2	3	0.27
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB3	3	0.27
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD11	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD12	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD13	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD21	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD22	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD23	1	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD11	6	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD12	6	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD13	6	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD21	6	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD22	6	0.26
(1,2272)	1:523:A:GLY:HA3	1:538:A:LEU:HD23	6	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	2	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	5	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	5	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	5	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	5	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	5	0.26
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	5	0.26
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD11	9	0.26
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD12	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD13	9	0.26
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD21	9	0.26
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD22	9	0.26
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD23	9	0.26
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	1	0.26
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	1	0.26
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	1	0.26
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	1	0.26
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	1	0.26
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD11	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD12	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD13	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD21	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD22	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD23	1	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD11	9	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD12	9	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD13	9	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD21	9	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD22	9	0.26
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD23	9	0.26
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	4	0.26
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	4	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	6	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	6	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	6	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	6	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	6	0.26
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	6	0.26
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	10	0.26
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	10	0.26
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	3	0.26
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	3	0.26
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	4	0.26
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	2	0.26
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	2	0.26
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	2	0.26
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	2	0.26
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	3	0.26
(1,1790)	1:504:A:LYS:H	1:512:A:LEU:HA	4	0.26
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	4	0.26
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	4	0.26
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	4	0.26
(1,1729)	1:489:A:ASP:H	1:525:A:TYR:H	2	0.26
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD21	3	0.26
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD22	3	0.26
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD23	3	0.26
(1,1701)	1:482:A:ALA:H	1:484:A:VAL:HG11	5	0.26
(1,1701)	1:482:A:ALA:H	1:484:A:VAL:HG12	5	0.26
(1,1701)	1:482:A:ALA:H	1:484:A:VAL:HG13	5	0.26
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	9	0.26
(1,1638)	1:467:A:VAL:H	1:542:A:GLU:H	8	0.26
(1,1600)	1:456:A:ILE:HG21	1:457:A:THR:H	4	0.26
(1,1600)	1:456:A:ILE:HG22	1:457:A:THR:H	4	0.26
(1,1600)	1:456:A:ILE:HG23	1:457:A:THR:H	4	0.26
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	4	0.26
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	4	0.26
(1,1527)	1:506:A:ASP:H	1:509:A:ARG:H	9	0.26
(1,1512)	1:463:A:GLN:HE22	1:471:A:VAL:HA	6	0.26
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	3	0.26
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB1	6	0.26
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB2	6	0.26
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB3	6	0.26
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	7	0.26
(1,1448)	1:477:A:VAL:HG11	1:479:A:GLU:H	5	0.26
(1,1448)	1:477:A:VAL:HG12	1:479:A:GLU:H	5	0.26
(1,1448)	1:477:A:VAL:HG13	1:479:A:GLU:H	5	0.26
(1,1436)	1:463:A:GLN:HE22	1:474:A:GLU:H	6	0.26
(1,1424)	1:536:A:ALA:HB1	1:537:A:GLU:H	1	0.26
(1,1424)	1:536:A:ALA:HB2	1:537:A:GLU:H	1	0.26
(1,1424)	1:536:A:ALA:HB3	1:537:A:GLU:H	1	0.26
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	2	0.26
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	10	0.26
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	10	0.26
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	10	0.26
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	5	0.26
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	5	0.26
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	5	0.26
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	10	0.26
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	1	0.26
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	1	0.26
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:454:A:VAL:HG11	1:532:A:GLY:H	7	0.26
(1,1340)	1:454:A:VAL:HG12	1:532:A:GLY:H	7	0.26
(1,1340)	1:454:A:VAL:HG13	1:532:A:GLY:H	7	0.26
(1,1327)	1:454:A:VAL:H	1:531:A:GLY:H	3	0.26
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	7	0.26
(1,1303)	1:505:A:LYS:HD2	1:507:A:GLY:H	7	0.26
(1,1303)	1:505:A:LYS:HD3	1:507:A:GLY:H	7	0.26
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	5	0.26
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	3	0.26
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG21	6	0.26
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG22	6	0.26
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG23	6	0.26
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	1	0.26
(1,1250)	1:505:A:LYS:HA	1:511:A:HIS:H	8	0.26
(1,1205)	1:502:A:ARG:HG2	1:503:A:PHE:H	8	0.26
(1,1205)	1:502:A:ARG:HG3	1:503:A:PHE:H	8	0.26
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	10	0.26
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	2	0.26
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	1	0.26
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	8	0.26
(1,1132)	1:500:A:LYS:HA	1:515:A:ASN:H	1	0.26
(1,1117)	1:473:A:PHE:HB3	1:512:A:LEU:H	9	0.26
(1,1101)	1:467:A:VAL:HA	1:541:A:GLN:H	7	0.26
(1,1074)	1:464:A:LEU:H	1:464:A:LEU:HB3	5	0.26
(1,1045)	1:486:A:TRP:HE1	1:512:A:LEU:HB2	4	0.26
(1,1028)	1:488:A:LYS:HD2	1:489:A:ASP:H	9	0.26
(1,1022)	1:489:A:ASP:H	1:525:A:TYR:HA	2	0.26
(1,958)	1:461:A:GLU:HG2	1:473:A:PHE:HE2	4	0.26
(1,958)	1:461:A:GLU:HG3	1:473:A:PHE:HE2	4	0.26
(1,954)	1:495:A:ARG:HG2	1:503:A:PHE:HE1	6	0.26
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	4	0.26
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	4	0.26
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	4	0.26
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB1	2	0.26
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB2	2	0.26
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB3	2	0.26
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	5	0.26
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	4	0.26
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	4	0.26
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	4	0.26
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG21	7	0.26
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG22	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG23	7	0.26
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG21	7	0.26
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG22	7	0.26
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG23	7	0.26
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG21	7	0.26
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG22	7	0.26
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG23	7	0.26
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	3	0.26
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	3	0.26
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	3	0.26
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	3	0.26
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	3	0.26
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	3	0.26
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD11	8	0.26
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD12	8	0.26
(1,562)	1:511:A:HIS:HB3	1:513:A:ILE:HD13	8	0.26
(1,531)	1:480:A:GLU:HG2	1:507:A:GLY:HA3	1	0.26
(1,531)	1:480:A:GLU:HG3	1:507:A:GLY:HA3	1	0.26
(1,530)	1:461:A:GLU:HB2	1:473:A:PHE:HB2	4	0.26
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	4	0.26
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	2	0.26
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	2	0.26
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	2	0.26
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	2	0.26
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	2	0.26
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	2	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	2	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	2	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	2	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	5	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	5	0.26
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	5	0.26
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	5	0.26
(1,132)	1:465:A:VAL:HG21	1:471:A:VAL:H	1	0.26
(1,132)	1:465:A:VAL:HG22	1:471:A:VAL:H	1	0.26
(1,132)	1:465:A:VAL:HG23	1:471:A:VAL:H	1	0.26
(1,125)	1:465:A:VAL:HG11	1:471:A:VAL:HB	1	0.26
(1,125)	1:465:A:VAL:HG12	1:471:A:VAL:HB	1	0.26
(1,125)	1:465:A:VAL:HG13	1:471:A:VAL:HB	1	0.26
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	1	0.26
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD11	5	0.25
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD13	5	0.25
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD21	5	0.25
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD22	5	0.25
(1,2303)	1:533:A:GLN:HE21	1:535:A:LEU:HD23	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD11	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD12	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD13	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD21	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD22	5	0.25
(1,2303)	1:533:A:GLN:HE22	1:535:A:LEU:HD23	5	0.25
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	8	0.25
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	8	0.25
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	8	0.25
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	8	0.25
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	8	0.25
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	8	0.25
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB2	2	0.25
(1,2252)	1:514:A:ILE:HD11	1:521:A:ASP:HB3	2	0.25
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB2	2	0.25
(1,2252)	1:514:A:ILE:HD12	1:521:A:ASP:HB3	2	0.25
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB2	2	0.25
(1,2252)	1:514:A:ILE:HD13	1:521:A:ASP:HB3	2	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD11	6	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD12	6	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD13	6	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD21	6	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD22	6	0.25
(1,2225)	1:504:A:LYS:HE2	1:512:A:LEU:HD23	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD11	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD12	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD13	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD21	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD22	6	0.25
(1,2225)	1:504:A:LYS:HE3	1:512:A:LEU:HD23	6	0.25
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	10	0.25
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	10	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD11	5	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD12	5	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD13	5	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD21	5	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD22	5	0.25
(1,2115)	1:486:A:TRP:HA	1:487:A:LEU:HD23	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	10	0.25
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	10	0.25
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	10	0.25
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	10	0.25
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	10	0.25
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	10	0.25
(1,2022)	1:466:A:MET:HG2	1:540:A:VAL:HA	7	0.25
(1,2022)	1:466:A:MET:HG3	1:540:A:VAL:HA	7	0.25
(1,1965)	1:460:A:LEU:HD11	1:474:A:GLU:HA	1	0.25
(1,1965)	1:460:A:LEU:HD12	1:474:A:GLU:HA	1	0.25
(1,1965)	1:460:A:LEU:HD13	1:474:A:GLU:HA	1	0.25
(1,1965)	1:460:A:LEU:HD21	1:474:A:GLU:HA	1	0.25
(1,1965)	1:460:A:LEU:HD22	1:474:A:GLU:HA	1	0.25
(1,1965)	1:460:A:LEU:HD23	1:474:A:GLU:HA	1	0.25
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	6	0.25
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	6	0.25
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	5	0.25
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	5	0.25
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	5	0.25
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	10	0.25
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	10	0.25
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	6	0.25
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	6	0.25
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	4	0.25
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	8	0.25
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	8	0.25
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	8	0.25
(1,1752)	1:509:A:ARG:H	1:510:A:HIS:HD2	4	0.25
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	1	0.25
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	1	0.25
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	1	0.25
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	10	0.25
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	9	0.25
(1,1661)	1:475:A:CYS:H	1:476:A:GLU:HG3	2	0.25
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	6	0.25
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	6	0.25
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	5	0.25
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	9	0.25
(1,1550)	1:517:A:ALA:H	1:540:A:VAL:HG11	7	0.25
(1,1550)	1:517:A:ALA:H	1:540:A:VAL:HG12	7	0.25
(1,1550)	1:517:A:ALA:H	1:540:A:VAL:HG13	7	0.25
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:463:A:GLN:HE22	1:473:A:PHE:HA	10	0.25
(1,1509)	1:463:A:GLN:HE21	1:473:A:PHE:HA	10	0.25
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	7	0.25
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	7	0.25
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	9	0.25
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	10	0.25
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	1	0.25
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	10	0.25
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	10	0.25
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	10	0.25
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	1	0.25
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	1	0.25
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	10	0.25
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	10	0.25
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	8	0.25
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	6	0.25
(1,1270)	1:468:A:GLY:H	1:518:A:MET:HA	2	0.25
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG21	8	0.25
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG22	8	0.25
(1,1261)	1:468:A:GLY:H	1:540:A:VAL:HG23	8	0.25
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	1	0.25
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	10	0.25
(1,1233)	1:489:A:ASP:HA	1:524:A:HIS:H	2	0.25
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	10	0.25
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	4	0.25
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	4	0.25
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	4	0.25
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	7	0.25
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	7	0.25
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	7	0.25
(1,1173)	1:484:A:VAL:HB	1:528:A:CYS:H	3	0.25
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	1	0.25
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	3	0.25
(1,1143)	1:485:A:LYS:HG2	1:486:A:TRP:H	3	0.25
(1,1143)	1:485:A:LYS:HG3	1:486:A:TRP:H	3	0.25
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	6	0.25
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	6	0.25
(1,1074)	1:464:A:LEU:H	1:464:A:LEU:HB3	8	0.25
(1,1013)	1:464:A:LEU:HB2	1:539:A:ILE:H	7	0.25
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	2	0.25
(1,970)	1:486:A:TRP:HA	1:486:A:TRP:HZ3	7	0.25
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	2	0.25
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	2	0.25
(1,878)	1:464:A:LEU:HA	1:539:A:ILE:HB	2	0.25
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	7	0.25
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB1	1	0.25
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB2	1	0.25
(1,825)	1:459:A:PRO:HB2	1:534:A:ALA:HB3	1	0.25
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB1	1	0.25
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB2	1	0.25
(1,825)	1:459:A:PRO:HB3	1:534:A:ALA:HB3	1	0.25
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	6	0.25
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	6	0.25
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	6	0.25
(1,752)	1:485:A:LYS:H	1:527:A:LEU:HA	7	0.25
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	5	0.25
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	5	0.25
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	5	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	2	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	2	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	2	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	8	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	8	0.25
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	8	0.25
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	3	0.25
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	3	0.25
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	3	0.25
(1,429)	1:495:A:ARG:HA	1:503:A:PHE:HZ	3	0.25
(1,321)	1:482:A:ALA:HB1	1:510:A:HIS:HE1	8	0.25
(1,321)	1:482:A:ALA:HB2	1:510:A:HIS:HE1	8	0.25
(1,321)	1:482:A:ALA:HB3	1:510:A:HIS:HE1	8	0.25
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG11	5	0.25
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG12	5	0.25
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG13	5	0.25
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG11	5	0.25
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG12	5	0.25
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG13	5	0.25
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG11	5	0.25
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG12	5	0.25
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG13	5	0.25
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG2	5	0.25
(1,300)	1:454:A:VAL:HG21	1:479:A:GLU:HG3	5	0.25
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:454:A:VAL:HG22	1:479:A:GLU:HG3	5	0.25
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG2	5	0.25
(1,300)	1:454:A:VAL:HG23	1:479:A:GLU:HG3	5	0.25
(1,297)	1:478:A:SER:HA	1:508:A:GLN:HG2	9	0.25
(1,295)	1:457:A:THR:HG21	1:478:A:SER:HA	1	0.25
(1,295)	1:457:A:THR:HG22	1:478:A:SER:HA	1	0.25
(1,295)	1:457:A:THR:HG23	1:478:A:SER:HA	1	0.25
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	8	0.25
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	8	0.25
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	8	0.25
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	9	0.25
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	9	0.25
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	9	0.25
(1,138)	1:465:A:VAL:HG21	1:522:A:ALA:HA	9	0.25
(1,138)	1:465:A:VAL:HG22	1:522:A:ALA:HA	9	0.25
(1,138)	1:465:A:VAL:HG23	1:522:A:ALA:HA	9	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	2	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	2	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	2	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	2	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	2	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	2	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	2	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	2	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	2	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE1	10	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE2	10	0.25
(1,108)	1:464:A:LEU:HD11	1:466:A:MET:HE3	10	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE1	10	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE2	10	0.25
(1,108)	1:464:A:LEU:HD12	1:466:A:MET:HE3	10	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE1	10	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE2	10	0.25
(1,108)	1:464:A:LEU:HD13	1:466:A:MET:HE3	10	0.25
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	2	0.25
(1,71)	1:457:A:THR:HG21	1:477:A:VAL:HA	2	0.25
(1,71)	1:457:A:THR:HG22	1:477:A:VAL:HA	2	0.25
(1,71)	1:457:A:THR:HG23	1:477:A:VAL:HA	2	0.25
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	3	0.25
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	3	0.25
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	7	0.25
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	7	0.24
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	7	0.24
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	7	0.24
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	7	0.24
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	7	0.24
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	7	0.24
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	7	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	5	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	5	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	5	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD21	5	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD22	5	0.24
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD23	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD11	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD12	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD13	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD21	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD22	5	0.24
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD23	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	5	0.24
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	5	0.24
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	4	0.24
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	4	0.24
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	4	0.24
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	4	0.24
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	4	0.24
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	4	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD11	1	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD12	1	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD13	1	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD21	1	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD22	1	0.24
(1,2129)	1:487:A:LEU:H	1:487:A:LEU:HD23	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:485:A:LYS:HE2	1:486:A:TRP:H	7	0.24
(1,2107)	1:485:A:LYS:HE3	1:486:A:TRP:H	7	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	10	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	10	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	10	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	10	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	10	0.24
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	10	0.24
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	10	0.24
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB2	9	0.24
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB3	9	0.24
(1,2061)	1:471:A:VAL:HG11	1:538:A:LEU:HA	8	0.24
(1,2061)	1:471:A:VAL:HG12	1:538:A:LEU:HA	8	0.24
(1,2061)	1:471:A:VAL:HG13	1:538:A:LEU:HA	8	0.24
(1,2061)	1:471:A:VAL:HG21	1:538:A:LEU:HA	8	0.24
(1,2061)	1:471:A:VAL:HG22	1:538:A:LEU:HA	8	0.24
(1,2061)	1:471:A:VAL:HG23	1:538:A:LEU:HA	8	0.24
(1,2025)	1:466:A:MET:HG2	1:543:A:LYS:H	3	0.24
(1,2025)	1:466:A:MET:HG3	1:543:A:LYS:H	3	0.24
(1,2025)	1:466:A:MET:HG2	1:543:A:LYS:H	8	0.24
(1,2025)	1:466:A:MET:HG3	1:543:A:LYS:H	8	0.24
(1,1987)	1:460:A:LEU:HD11	1:536:A:ALA:HA	2	0.24
(1,1987)	1:460:A:LEU:HD12	1:536:A:ALA:HA	2	0.24
(1,1987)	1:460:A:LEU:HD13	1:536:A:ALA:HA	2	0.24
(1,1987)	1:460:A:LEU:HD21	1:536:A:ALA:HA	2	0.24
(1,1987)	1:460:A:LEU:HD22	1:536:A:ALA:HA	2	0.24
(1,1987)	1:460:A:LEU:HD23	1:536:A:ALA:HA	2	0.24
(1,1984)	1:460:A:LEU:HD11	1:535:A:LEU:H	3	0.24
(1,1984)	1:460:A:LEU:HD12	1:535:A:LEU:H	3	0.24
(1,1984)	1:460:A:LEU:HD13	1:535:A:LEU:H	3	0.24
(1,1984)	1:460:A:LEU:HD21	1:535:A:LEU:H	3	0.24
(1,1984)	1:460:A:LEU:HD22	1:535:A:LEU:H	3	0.24
(1,1984)	1:460:A:LEU:HD23	1:535:A:LEU:H	3	0.24
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	1	0.24
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	1	0.24
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	6	0.24
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	6	0.24
(1,1916)	1:466:A:MET:HE1	1:541:A:GLN:HE22	9	0.24
(1,1916)	1:466:A:MET:HE2	1:541:A:GLN:HE22	9	0.24
(1,1916)	1:466:A:MET:HE3	1:541:A:GLN:HE22	9	0.24
(1,1900)	1:466:A:MET:HA	1:543:A:LYS:H	3	0.24
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	3	0.24
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	5	0.24
(1,1867)	1:529:A:THR:H	1:532:A:GLY:HA2	5	0.24
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	1	0.24
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	1	0.24
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	1	0.24
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	3	0.24
(1,1798)	1:505:A:LYS:HE2	1:507:A:GLY:H	2	0.24
(1,1798)	1:505:A:LYS:HE3	1:507:A:GLY:H	2	0.24
(1,1770)	1:500:A:LYS:H	1:501:A:TYR:HA	5	0.24
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	1	0.24
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	1	0.24
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	1	0.24
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	7	0.24
(1,1729)	1:489:A:ASP:H	1:525:A:TYR:H	4	0.24
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE2	8	0.24
(1,1699)	1:482:A:ALA:H	1:505:A:LYS:HE3	8	0.24
(1,1692)	1:456:A:ILE:HG13	1:534:A:ALA:H	10	0.24
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	3	0.24
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	6	0.24
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB2	10	0.24
(1,1648)	1:469:A:GLN:H	1:516:A:GLU:HB3	10	0.24
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	5	0.24
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	10	0.24
(1,1562)	1:465:A:VAL:H	1:540:A:VAL:H	5	0.24
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	10	0.24
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	9	0.24
(1,1496)	1:466:A:MET:HA	1:469:A:GLN:HE21	4	0.24
(1,1424)	1:536:A:ALA:HB1	1:537:A:GLU:H	3	0.24
(1,1424)	1:536:A:ALA:HB2	1:537:A:GLU:H	3	0.24
(1,1424)	1:536:A:ALA:HB3	1:537:A:GLU:H	3	0.24
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	9	0.24
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	9	0.24
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	9	0.24
(1,1373)	1:470:A:ARG:H	1:516:A:GLU:HA	5	0.24
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	2	0.24
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	3	0.24
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	3	0.24
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	5	0.24
(1,1282)	1:494:A:THR:H	1:495:A:ARG:HD3	2	0.24
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	7	0.24
(1,1253)	1:511:A:HIS:H	1:511:A:HIS:HD2	1	0.24
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	4	0.24
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	6	0.24
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	8	0.24
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	3	0.24
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	9	0.24
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	3	0.24
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	1	0.24
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG21	5	0.24
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG22	5	0.24
(1,887)	1:464:A:LEU:HB3	1:539:A:ILE:HG23	5	0.24
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	2	0.24
(1,836)	1:526:A:ALA:HA	1:535:A:LEU:HB3	7	0.24
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	9	0.24
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	9	0.24
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	9	0.24
(1,735)	1:488:A:LYS:HG3	1:525:A:TYR:HA	5	0.24
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	6	0.24
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	6	0.24
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	6	0.24
(1,699)	1:519:A:LEU:HD21	1:542:A:GLU:H	9	0.24
(1,699)	1:519:A:LEU:HD22	1:542:A:GLU:H	9	0.24
(1,699)	1:519:A:LEU:HD23	1:542:A:GLU:H	9	0.24
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	3	0.24
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB1	3	0.24
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB2	3	0.24
(1,524)	1:488:A:LYS:HA	1:526:A:ALA:HB3	3	0.24
(1,516)	1:505:A:LYS:HE2	1:506:A:ASP:H	10	0.24
(1,516)	1:505:A:LYS:HE3	1:506:A:ASP:H	10	0.24
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	7	0.24
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	7	0.24
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD21	10	0.24
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD22	10	0.24
(1,358)	1:486:A:TRP:HA	1:527:A:LEU:HD23	10	0.24
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	7	0.24
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	5	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	6	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	6	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	8	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	8	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	8	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	10	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	10	0.24
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	10	0.24
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	8	0.24
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	3	0.24
(1,232)	1:471:A:VAL:HG21	1:514:A:ILE:HB	6	0.24
(1,232)	1:471:A:VAL:HG22	1:514:A:ILE:HB	6	0.24
(1,232)	1:471:A:VAL:HG23	1:514:A:ILE:HB	6	0.24
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	1	0.24
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	1	0.24
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	1	0.24
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	8	0.24
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	8	0.24
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	8	0.24
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	4	0.24
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	4	0.24
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	4	0.24
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	10	0.24
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	10	0.24
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	10	0.24
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	9	0.24
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	3	0.24
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	3	0.24
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	3	0.24
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	6	0.24
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	6	0.24
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	6	0.24
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	9	0.24
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	9	0.24
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	9	0.24
(1,2278)	1:524:A:HIS:HB2	1:536:A:ALA:H	1	0.23
(1,2278)	1:524:A:HIS:HB3	1:536:A:ALA:H	1	0.23
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	5	0.23
(1,2251)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	5	0.23
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	5	0.23
(1,2251)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	5	0.23
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	5	0.23
(1,2230)	1:506:A:ASP:HB2	1:509:A:ARG:HB2	9	0.23
(1,2230)	1:506:A:ASP:HB3	1:509:A:ARG:HB2	9	0.23
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	4	0.23
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	4	0.23
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	4	0.23
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	4	0.23
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	4	0.23
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	4	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD11	10	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD12	10	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD13	10	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD21	10	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD22	10	0.23
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD23	10	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	2	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	2	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	6	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	6	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	6	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	6	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	6	0.23
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	6	0.23
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	6	0.23
(1,2081)	1:475:A:CYS:HB2	1:527:A:LEU:HG	6	0.23
(1,2081)	1:475:A:CYS:HB3	1:527:A:LEU:HG	6	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	2	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	2	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	2	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	2	0.23
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	2	0.23
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG2	1	0.23
(1,2009)	1:465:A:VAL:H	1:466:A:MET:HG3	1	0.23
(1,1962)	1:460:A:LEU:HD11	1:473:A:PHE:HZ	10	0.23
(1,1962)	1:460:A:LEU:HD12	1:473:A:PHE:HZ	10	0.23
(1,1962)	1:460:A:LEU:HD13	1:473:A:PHE:HZ	10	0.23
(1,1962)	1:460:A:LEU:HD21	1:473:A:PHE:HZ	10	0.23
(1,1962)	1:460:A:LEU:HD22	1:473:A:PHE:HZ	10	0.23
(1,1962)	1:460:A:LEU:HD23	1:473:A:PHE:HZ	10	0.23
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	9	0.23
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	9	0.23
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	9	0.23
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	9	0.23
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	9	0.23
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	9	0.23
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	8	0.23
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	8	0.23
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	8	0.23
(1,1909)	1:541:A:GLN:HE21	1:542:A:GLU:H	6	0.23
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	7	0.23
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE1	2	0.23
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE2	2	0.23
(1,1824)	1:518:A:MET:H	1:518:A:MET:HE3	2	0.23
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	3	0.23
(1,1805)	1:466:A:MET:HA	1:542:A:GLU:H	6	0.23
(1,1789)	1:503:A:PHE:HB3	1:504:A:LYS:H	10	0.23
(1,1789)	1:503:A:PHE:HB2	1:504:A:LYS:H	10	0.23
(1,1778)	1:500:A:LYS:HE2	1:501:A:TYR:H	6	0.23
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	2	0.23
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	2	0.23
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	2	0.23
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	2	0.23
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD21	9	0.23
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD22	9	0.23
(1,1718)	1:485:A:LYS:H	1:527:A:LEU:HD23	9	0.23
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	8	0.23
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	8	0.23
(1,1637)	1:467:A:VAL:H	1:469:A:GLN:HE21	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG21	2	0.23
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG22	2	0.23
(1,1631)	1:467:A:VAL:H	1:540:A:VAL:HG23	2	0.23
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	8	0.23
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	8	0.23
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	8	0.23
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	6	0.23
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	6	0.23
(1,1562)	1:465:A:VAL:H	1:540:A:VAL:H	6	0.23
(1,1538)	1:469:A:GLN:H	1:517:A:ALA:H	4	0.23
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	1	0.23
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	6	0.23
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	9	0.23
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	9	0.23
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	4	0.23
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	10	0.23
(1,1424)	1:536:A:ALA:HB1	1:537:A:GLU:H	10	0.23
(1,1424)	1:536:A:ALA:HB2	1:537:A:GLU:H	10	0.23
(1,1424)	1:536:A:ALA:HB3	1:537:A:GLU:H	10	0.23
(1,1317)	1:478:A:SER:HB2	1:508:A:GLN:HE22	9	0.23
(1,1297)	1:499:A:PHE:H	1:501:A:TYR:H	4	0.23
(1,1287)	1:498:A:THR:HA	1:501:A:TYR:H	10	0.23
(1,1285)	1:494:A:THR:H	1:503:A:PHE:HE1	1	0.23
(1,1235)	1:488:A:LYS:HG3	1:524:A:HIS:H	3	0.23
(1,1235)	1:488:A:LYS:HG2	1:524:A:HIS:H	3	0.23
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	8	0.23
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	8	0.23
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	8	0.23
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	2	0.23
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	10	0.23
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	2	0.23
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	2	0.23
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	10	0.23
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	10	0.23
(1,1043)	1:486:A:TRP:HE1	1:510:A:HIS:HB3	5	0.23
(1,1041)	1:486:A:TRP:HE1	1:510:A:HIS:HB2	2	0.23
(1,1018)	1:489:A:ASP:H	1:491:A:VAL:H	5	0.23
(1,977)	1:500:A:LYS:HD2	1:501:A:TYR:HE1	9	0.23
(1,977)	1:500:A:LYS:HD3	1:501:A:TYR:HE1	9	0.23
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG21	2	0.23
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG22	2	0.23
(1,923)	1:469:A:GLN:HB3	1:540:A:VAL:HG23	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	5	0.23
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	5	0.23
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	5	0.23
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	10	0.23
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	10	0.23
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	10	0.23
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG21	9	0.23
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG22	9	0.23
(1,895)	1:465:A:VAL:H	1:539:A:ILE:HG23	9	0.23
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	2	0.23
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	10	0.23
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	10	0.23
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	10	0.23
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	2	0.23
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	2	0.23
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	2	0.23
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD11	10	0.23
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD12	10	0.23
(1,624)	1:501:A:TYR:HA	1:514:A:ILE:HD13	10	0.23
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD11	6	0.23
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD12	6	0.23
(1,582)	1:486:A:TRP:HZ3	1:512:A:LEU:HD13	6	0.23
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	9	0.23
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	9	0.23
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	9	0.23
(1,576)	1:486:A:TRP:HB3	1:512:A:LEU:HD21	5	0.23
(1,576)	1:486:A:TRP:HB3	1:512:A:LEU:HD22	5	0.23
(1,576)	1:486:A:TRP:HB3	1:512:A:LEU:HD23	5	0.23
(1,576)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	5	0.23
(1,576)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	5	0.23
(1,576)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	5	0.23
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	8	0.23
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	9	0.23
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG2	4	0.23
(1,536)	1:514:A:ILE:HG21	1:516:A:GLU:HG3	4	0.23
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG2	4	0.23
(1,536)	1:514:A:ILE:HG22	1:516:A:GLU:HG3	4	0.23
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG2	4	0.23
(1,536)	1:514:A:ILE:HG23	1:516:A:GLU:HG3	4	0.23
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	9	0.23
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD2	5	0.23
(1,462)	1:500:A:LYS:HA	1:502:A:ARG:HD3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:495:A:ARG:HG2	1:496:A:GLU:HA	5	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	6	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	6	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	6	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	10	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	10	0.23
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	10	0.23
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	4	0.23
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	4	0.23
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	4	0.23
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	4	0.23
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	4	0.23
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	4	0.23
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG11	5	0.23
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG12	5	0.23
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG13	5	0.23
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG11	5	0.23
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG12	5	0.23
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG13	5	0.23
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG11	5	0.23
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG12	5	0.23
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG13	5	0.23
(1,296)	1:455:A:LEU:HB2	1:478:A:SER:HA	9	0.23
(1,296)	1:455:A:LEU:HB3	1:478:A:SER:HA	9	0.23
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	4	0.23
(1,261)	1:475:A:CYS:HA	1:476:A:GLU:HG2	6	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	4	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	4	0.23
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	4	0.23
(1,170)	1:467:A:VAL:HG11	1:519:A:LEU:HA	1	0.23
(1,170)	1:467:A:VAL:HG12	1:519:A:LEU:HA	1	0.23
(1,170)	1:467:A:VAL:HG13	1:519:A:LEU:HA	1	0.23
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	7	0.23
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG2	9	0.23
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG3	9	0.23
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	2	0.23
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	2	0.23
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	2	0.23
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	2	0.23
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	2	0.23
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	2	0.23
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	6	0.23
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	6	0.23
(1,129)	1:465:A:VAL:HG11	1:471:A:VAL:H	7	0.23
(1,129)	1:465:A:VAL:HG12	1:471:A:VAL:H	7	0.23
(1,129)	1:465:A:VAL:HG13	1:471:A:VAL:H	7	0.23
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	4	0.23
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	6	0.23
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	8	0.23
(1,91)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	5	0.23
(1,91)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	5	0.23
(1,91)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	5	0.23
(1,47)	1:456:A:ILE:HD11	1:527:A:LEU:HA	8	0.23
(1,47)	1:456:A:ILE:HD12	1:527:A:LEU:HA	8	0.23
(1,47)	1:456:A:ILE:HD13	1:527:A:LEU:HA	8	0.23
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD11	1	0.22
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD12	1	0.22
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD13	1	0.22
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD21	1	0.22
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD22	1	0.22
(1,2238)	1:510:A:HIS:H	1:527:A:LEU:HD23	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	1	0.22
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	1	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD11	2	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD12	2	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD13	2	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD21	2	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD22	2	0.22
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD23	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD11	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD12	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD13	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD21	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD22	2	0.22
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD23	2	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD11	9	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD12	9	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD13	9	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD21	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD22	9	0.22
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD23	9	0.22
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	6	0.22
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	6	0.22
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB2	7	0.22
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	7	0.22
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB2	7	0.22
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	7	0.22
(1,2062)	1:471:A:VAL:HG11	1:538:A:LEU:HG	5	0.22
(1,2062)	1:471:A:VAL:HG12	1:538:A:LEU:HG	5	0.22
(1,2062)	1:471:A:VAL:HG13	1:538:A:LEU:HG	5	0.22
(1,2062)	1:471:A:VAL:HG21	1:538:A:LEU:HG	5	0.22
(1,2062)	1:471:A:VAL:HG22	1:538:A:LEU:HG	5	0.22
(1,2062)	1:471:A:VAL:HG23	1:538:A:LEU:HG	5	0.22
(1,2030)	1:467:A:VAL:HG11	1:468:A:GLY:H	7	0.22
(1,2030)	1:467:A:VAL:HG12	1:468:A:GLY:H	7	0.22
(1,2030)	1:467:A:VAL:HG13	1:468:A:GLY:H	7	0.22
(1,2030)	1:467:A:VAL:HG21	1:468:A:GLY:H	7	0.22
(1,2030)	1:467:A:VAL:HG22	1:468:A:GLY:H	7	0.22
(1,2030)	1:467:A:VAL:HG23	1:468:A:GLY:H	7	0.22
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	7	0.22
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	7	0.22
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	7	0.22
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	7	0.22
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	7	0.22
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	7	0.22
(1,1936)	1:454:A:VAL:HG11	1:478:A:SER:HB2	4	0.22
(1,1936)	1:454:A:VAL:HG11	1:478:A:SER:HB3	4	0.22
(1,1936)	1:454:A:VAL:HG12	1:478:A:SER:HB2	4	0.22
(1,1936)	1:454:A:VAL:HG12	1:478:A:SER:HB3	4	0.22
(1,1936)	1:454:A:VAL:HG13	1:478:A:SER:HB2	4	0.22
(1,1936)	1:454:A:VAL:HG13	1:478:A:SER:HB3	4	0.22
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	5	0.22
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	5	0.22
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	5	0.22
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	3	0.22
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	1	0.22
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	1	0.22
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	1	0.22
(1,1905)	1:540:A:VAL:HG11	1:543:A:LYS:H	8	0.22
(1,1905)	1:540:A:VAL:HG12	1:543:A:LYS:H	8	0.22
(1,1905)	1:540:A:VAL:HG13	1:543:A:LYS:H	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	5	0.22
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	1	0.22
(1,1810)	1:470:A:ARG:HA	1:514:A:ILE:H	7	0.22
(1,1772)	1:498:A:THR:HB	1:500:A:LYS:H	1	0.22
(1,1771)	1:498:A:THR:HA	1:500:A:LYS:H	5	0.22
(1,1714)	1:477:A:VAL:HG11	1:484:A:VAL:H	6	0.22
(1,1714)	1:477:A:VAL:HG12	1:484:A:VAL:H	6	0.22
(1,1714)	1:477:A:VAL:HG13	1:484:A:VAL:H	6	0.22
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	7	0.22
(1,1639)	1:468:A:GLY:H	1:518:A:MET:HG2	1	0.22
(1,1600)	1:456:A:ILE:HG21	1:457:A:THR:H	5	0.22
(1,1600)	1:456:A:ILE:HG22	1:457:A:THR:H	5	0.22
(1,1600)	1:456:A:ILE:HG23	1:457:A:THR:H	5	0.22
(1,1600)	1:456:A:ILE:HG21	1:457:A:THR:H	6	0.22
(1,1600)	1:456:A:ILE:HG22	1:457:A:THR:H	6	0.22
(1,1600)	1:456:A:ILE:HG23	1:457:A:THR:H	6	0.22
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	7	0.22
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	3	0.22
(1,1569)	1:535:A:LEU:HB3	1:536:A:ALA:H	6	0.22
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	4	0.22
(1,1541)	1:517:A:ALA:H	1:518:A:MET:HA	5	0.22
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	1	0.22
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	6	0.22
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	6	0.22
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB1	1	0.22
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB2	1	0.22
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB3	1	0.22
(1,1468)	1:454:A:VAL:HA	1:530:A:SER:H	4	0.22
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	1	0.22
(1,1417)	1:486:A:TRP:HZ2	1:510:A:HIS:H	8	0.22
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	9	0.22
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	9	0.22
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	9	0.22
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	7	0.22
(1,1300)	1:507:A:GLY:H	1:508:A:GLN:H	7	0.22
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	8	0.22
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	7	0.22
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	9	0.22
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	2	0.22
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	2	0.22
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	2	0.22
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	2	0.22
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	3	0.22
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	3	0.22
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	3	0.22
(1,1088)	1:461:A:GLU:HB3	1:472:A:GLU:H	6	0.22
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	3	0.22
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	3	0.22
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	3	0.22
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB2	4	0.22
(1,996)	1:452:A:MET:HE1	1:479:A:GLU:HB3	4	0.22
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB2	4	0.22
(1,996)	1:452:A:MET:HE2	1:479:A:GLU:HB3	4	0.22
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB2	4	0.22
(1,996)	1:452:A:MET:HE3	1:479:A:GLU:HB3	4	0.22
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	10	0.22
(1,963)	1:474:A:GLU:HA	1:486:A:TRP:HH2	4	0.22
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	1	0.22
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	1	0.22
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	1	0.22
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG11	2	0.22
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG12	2	0.22
(1,912)	1:518:A:MET:HB3	1:540:A:VAL:HG13	2	0.22
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	5	0.22
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	5	0.22
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	5	0.22
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	4	0.22
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	4	0.22
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	4	0.22
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	8	0.22
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	8	0.22
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	8	0.22
(1,782)	1:528:A:CYS:HA	1:533:A:GLN:HA	3	0.22
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD21	2	0.22
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD22	2	0.22
(1,778)	1:484:A:VAL:HG21	1:527:A:LEU:HD23	2	0.22
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD21	2	0.22
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD22	2	0.22
(1,778)	1:484:A:VAL:HG22	1:527:A:LEU:HD23	2	0.22
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD21	2	0.22
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD22	2	0.22
(1,778)	1:484:A:VAL:HG23	1:527:A:LEU:HD23	2	0.22
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	6	0.22
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	8	0.22
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	8	0.22
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	8	0.22
(1,666)	1:522:A:ALA:HA	1:538:A:LEU:H	10	0.22
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG2	5	0.22
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG3	5	0.22
(1,618)	1:514:A:ILE:HD11	1:516:A:GLU:H	1	0.22
(1,618)	1:514:A:ILE:HD12	1:516:A:GLU:H	1	0.22
(1,618)	1:514:A:ILE:HD13	1:516:A:GLU:H	1	0.22
(1,518)	1:526:A:ALA:HB1	1:535:A:LEU:HA	1	0.22
(1,518)	1:526:A:ALA:HB2	1:535:A:LEU:HA	1	0.22
(1,518)	1:526:A:ALA:HB3	1:535:A:LEU:HA	1	0.22
(1,500)	1:524:A:HIS:HA	1:538:A:LEU:HB3	6	0.22
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	4	0.22
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	4	0.22
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	4	0.22
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	4	0.22
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	9	0.22
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	9	0.22
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	9	0.22
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	9	0.22
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	9	0.22
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	9	0.22
(1,310)	1:465:A:VAL:HB	1:471:A:VAL:HA	6	0.22
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	5	0.22
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	5	0.22
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	5	0.22
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	5	0.22
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	5	0.22
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	5	0.22
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	1	0.22
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	9	0.22
(1,247)	1:463:A:GLN:HE22	1:473:A:PHE:HB3	10	0.22
(1,243)	1:473:A:PHE:HA	1:473:A:PHE:HD2	7	0.22
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	9	0.22
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	9	0.22
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	9	0.22
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	9	0.22
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	9	0.22
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	9	0.22
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:502:A:ARG:HA	1:502:A:ARG:HD3	9	0.22
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	6	0.22
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	6	0.22
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB1	10	0.22
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB2	10	0.22
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB3	10	0.22
(1,158)	1:467:A:VAL:HA	1:518:A:MET:HA	6	0.22
(1,153)	1:466:A:MET:HA	1:541:A:GLN:HA	7	0.22
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	3	0.22
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	3	0.22
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	3	0.22
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	5	0.22
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	7	0.22
(1,96)	1:462:A:ASP:HA	1:536:A:ALA:HA	9	0.22
(1,91)	1:460:A:LEU:HD11	1:525:A:TYR:HB3	4	0.22
(1,91)	1:460:A:LEU:HD12	1:525:A:TYR:HB3	4	0.22
(1,91)	1:460:A:LEU:HD13	1:525:A:TYR:HB3	4	0.22
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	4	0.22
(1,8)	1:457:A:THR:HA	1:477:A:VAL:HA	2	0.22
(1,2292)	1:527:A:LEU:HD11	1:529:A:THR:H	10	0.21
(1,2292)	1:527:A:LEU:HD12	1:529:A:THR:H	10	0.21
(1,2292)	1:527:A:LEU:HD13	1:529:A:THR:H	10	0.21
(1,2292)	1:527:A:LEU:HD21	1:529:A:THR:H	10	0.21
(1,2292)	1:527:A:LEU:HD22	1:529:A:THR:H	10	0.21
(1,2292)	1:527:A:LEU:HD23	1:529:A:THR:H	10	0.21
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	4	0.21
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	4	0.21
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	4	0.21
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	4	0.21
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	4	0.21
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	4	0.21
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	4	0.21
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB2	5	0.21
(1,2260)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	5	0.21
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB2	5	0.21
(1,2260)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	5	0.21
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	5	0.21
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD13	3	0.21
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD13	3	0.21
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD13	3	0.21
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD13	3	0.21
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD13	3	0.21
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD11	3	0.21
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD12	3	0.21
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD13	3	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD11	4	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD12	4	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD13	4	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD21	4	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD22	4	0.21
(1,2204)	1:501:A:TYR:HD2	1:512:A:LEU:HD23	4	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	7	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	7	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	7	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	7	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	7	0.21
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	7	0.21
(1,2167)	1:490:A:GLY:H	1:524:A:HIS:HB2	5	0.21
(1,2167)	1:490:A:GLY:H	1:524:A:HIS:HB3	5	0.21
(1,2144)	1:487:A:LEU:HD11	1:492:A:GLU:HG2	2	0.21
(1,2144)	1:487:A:LEU:HD11	1:492:A:GLU:HG3	2	0.21
(1,2144)	1:487:A:LEU:HD12	1:492:A:GLU:HG2	2	0.21
(1,2144)	1:487:A:LEU:HD12	1:492:A:GLU:HG3	2	0.21
(1,2144)	1:487:A:LEU:HD13	1:492:A:GLU:HG2	2	0.21
(1,2144)	1:487:A:LEU:HD13	1:492:A:GLU:HG3	2	0.21
(1,2144)	1:487:A:LEU:HD21	1:492:A:GLU:HG2	2	0.21
(1,2144)	1:487:A:LEU:HD21	1:492:A:GLU:HG3	2	0.21
(1,2144)	1:487:A:LEU:HD22	1:492:A:GLU:HG2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:487:A:LEU:HD22	1:492:A:GLU:HG3	2	0.21
(1,2144)	1:487:A:LEU:HD23	1:492:A:GLU:HG2	2	0.21
(1,2144)	1:487:A:LEU:HD23	1:492:A:GLU:HG3	2	0.21
(1,2140)	1:487:A:LEU:HD11	1:491:A:VAL:HA	7	0.21
(1,2140)	1:487:A:LEU:HD12	1:491:A:VAL:HA	7	0.21
(1,2140)	1:487:A:LEU:HD13	1:491:A:VAL:HA	7	0.21
(1,2140)	1:487:A:LEU:HD21	1:491:A:VAL:HA	7	0.21
(1,2140)	1:487:A:LEU:HD22	1:491:A:VAL:HA	7	0.21
(1,2140)	1:487:A:LEU:HD23	1:491:A:VAL:HA	7	0.21
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	9	0.21
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	9	0.21
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	9	0.21
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	9	0.21
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	9	0.21
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	9	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	2	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	2	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	2	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	2	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	2	0.21
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	2	0.21
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB2	5	0.21
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB3	5	0.21
(1,1966)	1:460:A:LEU:HD11	1:475:A:CYS:H	1	0.21
(1,1966)	1:460:A:LEU:HD12	1:475:A:CYS:H	1	0.21
(1,1966)	1:460:A:LEU:HD13	1:475:A:CYS:H	1	0.21
(1,1966)	1:460:A:LEU:HD21	1:475:A:CYS:H	1	0.21
(1,1966)	1:460:A:LEU:HD22	1:475:A:CYS:H	1	0.21
(1,1966)	1:460:A:LEU:HD23	1:475:A:CYS:H	1	0.21
(1,1943)	1:456:A:ILE:HG21	1:475:A:CYS:HB2	10	0.21
(1,1943)	1:456:A:ILE:HG21	1:475:A:CYS:HB3	10	0.21
(1,1943)	1:456:A:ILE:HG22	1:475:A:CYS:HB2	10	0.21
(1,1943)	1:456:A:ILE:HG22	1:475:A:CYS:HB3	10	0.21
(1,1943)	1:456:A:ILE:HG23	1:475:A:CYS:HB2	10	0.21
(1,1943)	1:456:A:ILE:HG23	1:475:A:CYS:HB3	10	0.21
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	1	0.21
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	1	0.21
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	6	0.21
(1,1881)	1:533:A:GLN:H	1:534:A:ALA:H	7	0.21
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	5	0.21
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	4	0.21
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	4	0.21
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	6	0.21
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	1	0.21
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	1	0.21
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	6	0.21
(1,1757)	1:495:A:ARG:HG2	1:497:A:GLU:H	1	0.21
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	7	0.21
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	3	0.21
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	4	0.21
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	6	0.21
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	7	0.21
(1,1691)	1:454:A:VAL:HG21	1:480:A:GLU:H	9	0.21
(1,1691)	1:454:A:VAL:HG22	1:480:A:GLU:H	9	0.21
(1,1691)	1:454:A:VAL:HG23	1:480:A:GLU:H	9	0.21
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	5	0.21
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	6	0.21
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	4	0.21
(1,1523)	1:454:A:VAL:HG11	1:478:A:SER:H	4	0.21
(1,1523)	1:454:A:VAL:HG12	1:478:A:SER:H	4	0.21
(1,1523)	1:454:A:VAL:HG13	1:478:A:SER:H	4	0.21
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	6	0.21
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	1	0.21
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	1	0.21
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	3	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG21	9	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG22	9	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG23	9	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG11	9	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG12	9	0.21
(1,1368)	1:521:A:ASP:H	1:540:A:VAL:HG13	9	0.21
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	5	0.21
(1,1324)	1:457:A:THR:HG21	1:508:A:GLN:HE21	6	0.21
(1,1324)	1:457:A:THR:HG22	1:508:A:GLN:HE21	6	0.21
(1,1324)	1:457:A:THR:HG23	1:508:A:GLN:HE21	6	0.21
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	3	0.21
(1,1312)	1:502:A:ARG:HD2	1:515:A:ASN:HD21	7	0.21
(1,1312)	1:502:A:ARG:HD3	1:515:A:ASN:HD21	7	0.21
(1,1300)	1:507:A:GLY:H	1:508:A:GLN:H	6	0.21
(1,1300)	1:507:A:GLY:H	1:508:A:GLN:H	10	0.21
(1,1296)	1:501:A:TYR:H	1:501:A:TYR:HD2	10	0.21
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE1	2	0.21
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:468:A:GLY:H	1:518:A:MET:HE3	2	0.21
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	8	0.21
(1,1192)	1:487:A:LEU:H	1:492:A:GLU:HA	9	0.21
(1,1166)	1:488:A:LYS:H	1:491:A:VAL:H	5	0.21
(1,1142)	1:486:A:TRP:H	1:493:A:LEU:HB2	1	0.21
(1,1126)	1:513:A:ILE:HG21	1:515:A:ASN:H	7	0.21
(1,1126)	1:513:A:ILE:HG22	1:515:A:ASN:H	7	0.21
(1,1126)	1:513:A:ILE:HG23	1:515:A:ASN:H	7	0.21
(1,1093)	1:472:A:GLU:H	1:513:A:ILE:HA	3	0.21
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	5	0.21
(1,1089)	1:465:A:VAL:HG11	1:472:A:GLU:H	1	0.21
(1,1089)	1:465:A:VAL:HG12	1:472:A:GLU:H	1	0.21
(1,1089)	1:465:A:VAL:HG13	1:472:A:GLU:H	1	0.21
(1,1028)	1:488:A:LYS:HD2	1:489:A:ASP:H	7	0.21
(1,1025)	1:488:A:LYS:HG2	1:489:A:ASP:H	3	0.21
(1,1004)	1:456:A:ILE:HD11	1:532:A:GLY:H	2	0.21
(1,1004)	1:456:A:ILE:HD12	1:532:A:GLY:H	2	0.21
(1,1004)	1:456:A:ILE:HD13	1:532:A:GLY:H	2	0.21
(1,985)	1:477:A:VAL:HG21	1:510:A:HIS:HD2	9	0.21
(1,985)	1:477:A:VAL:HG22	1:510:A:HIS:HD2	9	0.21
(1,985)	1:477:A:VAL:HG23	1:510:A:HIS:HD2	9	0.21
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	7	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	4	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	4	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	4	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG21	9	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG22	9	0.21
(1,938)	1:466:A:MET:H	1:540:A:VAL:HG23	9	0.21
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG21	8	0.21
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG22	8	0.21
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG23	8	0.21
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	5	0.21
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	5	0.21
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	5	0.21
(1,713)	1:518:A:MET:HB2	1:520:A:GLU:HA	9	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	1	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	1	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	1	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB1	9	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB2	9	0.21
(1,672)	1:469:A:GLN:HB3	1:517:A:ALA:HB3	9	0.21
(1,658)	1:516:A:GLU:HB2	1:517:A:ALA:HA	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:516:A:GLU:HB3	1:517:A:ALA:HA	3	0.21
(1,647)	1:468:A:GLY:HA3	1:516:A:GLU:HA	2	0.21
(1,636)	1:514:A:ILE:HG21	1:521:A:ASP:HB2	5	0.21
(1,636)	1:514:A:ILE:HG22	1:521:A:ASP:HB2	5	0.21
(1,636)	1:514:A:ILE:HG23	1:521:A:ASP:HB2	5	0.21
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	1	0.21
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	1	0.21
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	1	0.21
(1,520)	1:487:A:LEU:H	1:526:A:ALA:HB1	5	0.21
(1,520)	1:487:A:LEU:H	1:526:A:ALA:HB2	5	0.21
(1,520)	1:487:A:LEU:H	1:526:A:ALA:HB3	5	0.21
(1,516)	1:505:A:LYS:HE2	1:506:A:ASP:H	1	0.21
(1,516)	1:505:A:LYS:HE3	1:506:A:ASP:H	1	0.21
(1,504)	1:503:A:PHE:HA	1:503:A:PHE:HD2	2	0.21
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	1	0.21
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	1	0.21
(1,388)	1:488:A:LYS:HG2	1:525:A:TYR:HB2	8	0.21
(1,350)	1:484:A:VAL:HG21	1:486:A:TRP:H	7	0.21
(1,350)	1:484:A:VAL:HG22	1:486:A:TRP:H	7	0.21
(1,350)	1:484:A:VAL:HG23	1:486:A:TRP:H	7	0.21
(1,343)	1:484:A:VAL:HG21	1:503:A:PHE:HB3	3	0.21
(1,343)	1:484:A:VAL:HG22	1:503:A:PHE:HB3	3	0.21
(1,343)	1:484:A:VAL:HG23	1:503:A:PHE:HB3	3	0.21
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	2	0.21
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	2	0.21
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	2	0.21
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	2	0.21
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	2	0.21
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	2	0.21
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	2	0.21
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	2	0.21
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	2	0.21
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	10	0.21
(1,287)	1:477:A:VAL:HG21	1:508:A:GLN:HG2	1	0.21
(1,287)	1:477:A:VAL:HG22	1:508:A:GLN:HG2	1	0.21
(1,287)	1:477:A:VAL:HG23	1:508:A:GLN:HG2	1	0.21
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	9	0.21
(1,250)	1:464:A:LEU:HA	1:539:A:ILE:H	8	0.21
(1,149)	1:466:A:MET:HA	1:469:A:GLN:HB3	4	0.21
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG21	7	0.21
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG22	7	0.21
(1,144)	1:463:A:GLN:HG2	1:465:A:VAL:HG23	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG21	7	0.21
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG22	7	0.21
(1,144)	1:463:A:GLN:HG3	1:465:A:VAL:HG23	7	0.21
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	1	0.21
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	1	0.21
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	1	0.21
(1,35)	1:535:A:LEU:HD21	1:536:A:ALA:H	3	0.21
(1,35)	1:535:A:LEU:HD22	1:536:A:ALA:H	3	0.21
(1,35)	1:535:A:LEU:HD23	1:536:A:ALA:H	3	0.21
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	8	0.21
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	8	0.21
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	8	0.21
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	2	0.21
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	2	0.21
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	3	0.2
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	3	0.2
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	3	0.2
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	3	0.2
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	3	0.2
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	3	0.2
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	3	0.2
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD21	4	0.2
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD22	4	0.2
(1,2223)	1:504:A:LYS:HD2	1:513:A:ILE:HG21	4	0.2
(1,2223)	1:504:A:LYS:HD2	1:513:A:ILE:HG22	4	0.2
(1,2223)	1:504:A:LYS:HD2	1:513:A:ILE:HG23	4	0.2
(1,2223)	1:504:A:LYS:HD3	1:513:A:ILE:HG21	4	0.2
(1,2223)	1:504:A:LYS:HD3	1:513:A:ILE:HG22	4	0.2
(1,2223)	1:504:A:LYS:HD3	1:513:A:ILE:HG23	4	0.2
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	10	0.2
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	10	0.2
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB2	2	0.2
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB3	2	0.2
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG3	9	0.2
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG3	9	0.2
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG3	9	0.2
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG3	9	0.2
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG2	9	0.2
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG3	9	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD11	7	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD12	7	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD13	7	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD21	7	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD22	7	0.2
(1,1989)	1:463:A:GLN:H	1:538:A:LEU:HD23	7	0.2
(1,1977)	1:460:A:LEU:HD11	1:527:A:LEU:H	2	0.2
(1,1977)	1:460:A:LEU:HD12	1:527:A:LEU:H	2	0.2
(1,1977)	1:460:A:LEU:HD13	1:527:A:LEU:H	2	0.2
(1,1977)	1:460:A:LEU:HD21	1:527:A:LEU:H	2	0.2
(1,1977)	1:460:A:LEU:HD22	1:527:A:LEU:H	2	0.2
(1,1977)	1:460:A:LEU:HD23	1:527:A:LEU:H	2	0.2
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	7	0.2
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	6	0.2
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	6	0.2
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	6	0.2
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	4	0.2
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	8	0.2
(1,1801)	1:477:A:VAL:H	1:508:A:GLN:HE22	5	0.2
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	10	0.2
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	10	0.2
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	8	0.2
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	8	0.2
(1,1784)	1:488:A:LYS:H	1:490:A:GLY:HA2	1	0.2
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	8	0.2
(1,1762)	1:498:A:THR:HG21	1:499:A:PHE:H	7	0.2
(1,1762)	1:498:A:THR:HG22	1:499:A:PHE:H	7	0.2
(1,1762)	1:498:A:THR:HG23	1:499:A:PHE:H	7	0.2
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	5	0.2
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	10	0.2
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	8	0.2
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	8	0.2
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	8	0.2
(1,1669)	1:475:A:CYS:H	1:511:A:HIS:HA	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1667)	1:475:A:CYS:H	1:510:A:HIS:HA	1	0.2
(1,1660)	1:460:A:LEU:HA	1:474:A:GLU:H	9	0.2
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB3	1	0.2
(1,1659)	1:473:A:PHE:H	1:511:A:HIS:HB2	1	0.2
(1,1650)	1:466:A:MET:HA	1:469:A:GLN:HE22	10	0.2
(1,1637)	1:467:A:VAL:H	1:469:A:GLN:HE21	4	0.2
(1,1605)	1:460:A:LEU:H	1:536:A:ALA:H	5	0.2
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	4	0.2
(1,1580)	1:525:A:TYR:H	1:536:A:ALA:H	9	0.2
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	8	0.2
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	1	0.2
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	2	0.2
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	10	0.2
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	9	0.2
(1,1433)	1:474:A:GLU:H	1:511:A:HIS:HA	6	0.2
(1,1428)	1:462:A:ASP:HA	1:537:A:GLU:H	3	0.2
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	1	0.2
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	1	0.2
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	1	0.2
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	6	0.2
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	6	0.2
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	6	0.2
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	8	0.2
(1,1390)	1:526:A:ALA:HA	1:535:A:LEU:H	9	0.2
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	4	0.2
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	4	0.2
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	4	0.2
(1,1371)	1:455:A:LEU:HA	1:533:A:GLN:H	6	0.2
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	4	0.2
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	5	0.2
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	3	0.2
(1,1217)	1:488:A:LYS:H	1:491:A:VAL:HB	5	0.2
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	3	0.2
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	8	0.2
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	10	0.2
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	2	0.2
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	9	0.2
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	10	0.2
(1,1118)	1:511:A:HIS:HB3	1:512:A:LEU:H	8	0.2
(1,1118)	1:511:A:HIS:HB2	1:512:A:LEU:H	8	0.2
(1,1058)	1:490:A:GLY:H	1:491:A:VAL:HB	5	0.2
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:460:A:LEU:HA	1:536:A:ALA:HB1	5	0.2
(1,861)	1:460:A:LEU:HA	1:536:A:ALA:HB2	5	0.2
(1,861)	1:460:A:LEU:HA	1:536:A:ALA:HB3	5	0.2
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	2	0.2
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	2	0.2
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	2	0.2
(1,799)	1:484:A:VAL:HB	1:529:A:THR:HA	1	0.2
(1,799)	1:484:A:VAL:HB	1:529:A:THR:HA	4	0.2
(1,787)	1:485:A:LYS:HG2	1:528:A:CYS:HB3	5	0.2
(1,787)	1:485:A:LYS:HG3	1:528:A:CYS:HB3	5	0.2
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	10	0.2
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	10	0.2
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	10	0.2
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	10	0.2
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	10	0.2
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	10	0.2
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	1	0.2
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	1	0.2
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	1	0.2
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	6	0.2
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	6	0.2
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	6	0.2
(1,696)	1:519:A:LEU:HD21	1:542:A:GLU:HB3	10	0.2
(1,696)	1:519:A:LEU:HD22	1:542:A:GLU:HB3	10	0.2
(1,696)	1:519:A:LEU:HD23	1:542:A:GLU:HB3	10	0.2
(1,671)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	3	0.2
(1,671)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	3	0.2
(1,671)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	3	0.2
(1,670)	1:514:A:ILE:HA	1:517:A:ALA:HB1	4	0.2
(1,670)	1:514:A:ILE:HA	1:517:A:ALA:HB2	4	0.2
(1,670)	1:514:A:ILE:HA	1:517:A:ALA:HB3	4	0.2
(1,664)	1:517:A:ALA:HA	1:521:A:ASP:H	9	0.2
(1,588)	1:513:A:ILE:HD11	1:514:A:ILE:H	4	0.2
(1,588)	1:513:A:ILE:HD12	1:514:A:ILE:H	4	0.2
(1,588)	1:513:A:ILE:HD13	1:514:A:ILE:H	4	0.2
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	3	0.2
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	3	0.2
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	3	0.2
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	1	0.2
(1,549)	1:464:A:LEU:HG	1:539:A:ILE:H	3	0.2
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	3	0.2
(1,479)	1:500:A:LYS:HA	1:500:A:LYS:HE3	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG2	1	0.2
(1,423)	1:494:A:THR:HG21	1:497:A:GLU:HG3	1	0.2
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG2	1	0.2
(1,423)	1:494:A:THR:HG22	1:497:A:GLU:HG3	1	0.2
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG2	1	0.2
(1,423)	1:494:A:THR:HG23	1:497:A:GLU:HG3	1	0.2
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	7	0.2
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	7	0.2
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	7	0.2
(1,374)	1:487:A:LEU:HA	1:492:A:GLU:HG2	9	0.2
(1,374)	1:487:A:LEU:HA	1:492:A:GLU:HG3	9	0.2
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	2	0.2
(1,359)	1:486:A:TRP:HA	1:527:A:LEU:HB2	9	0.2
(1,321)	1:482:A:ALA:HB1	1:510:A:HIS:HE1	5	0.2
(1,321)	1:482:A:ALA:HB2	1:510:A:HIS:HE1	5	0.2
(1,321)	1:482:A:ALA:HB3	1:510:A:HIS:HE1	5	0.2
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	2	0.2
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD2	3	0.2
(1,203)	1:501:A:TYR:HA	1:502:A:ARG:HD3	3	0.2
(1,199)	1:458:A:ARG:HD2	1:459:A:PRO:HG3	4	0.2
(1,199)	1:458:A:ARG:HD3	1:459:A:PRO:HG3	4	0.2
(1,145)	1:465:A:VAL:HG21	1:538:A:LEU:HB3	1	0.2
(1,145)	1:465:A:VAL:HG22	1:538:A:LEU:HB3	1	0.2
(1,145)	1:465:A:VAL:HG23	1:538:A:LEU:HB3	1	0.2
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	4	0.2
(1,98)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	6	0.2
(1,98)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	6	0.2
(1,98)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	6	0.2
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	3	0.2
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	5	0.2
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	5	0.2
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	5	0.2
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	9	0.2
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	9	0.2
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	9	0.2
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	5	0.2
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	5	0.2
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	5	0.2
(1,3)	1:456:A:ILE:HD11	1:459:A:PRO:HA	1	0.2
(1,3)	1:456:A:ILE:HD12	1:459:A:PRO:HA	1	0.2
(1,3)	1:456:A:ILE:HD13	1:459:A:PRO:HA	1	0.2
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD21	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:514:A:ILE:HG21	1:515:A:ASN:HD22	7	0.19
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD21	7	0.19
(1,2250)	1:514:A:ILE:HG22	1:515:A:ASN:HD22	7	0.19
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD21	7	0.19
(1,2250)	1:514:A:ILE:HG23	1:515:A:ASN:HD22	7	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD11	4	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD12	4	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD13	4	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD21	4	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD22	4	0.19
(1,2211)	1:503:A:PHE:H	1:512:A:LEU:HD23	4	0.19
(1,2208)	1:502:A:ARG:HG2	1:515:A:ASN:HD21	7	0.19
(1,2208)	1:502:A:ARG:HG2	1:515:A:ASN:HD22	7	0.19
(1,2208)	1:502:A:ARG:HG3	1:515:A:ASN:HD21	7	0.19
(1,2208)	1:502:A:ARG:HG3	1:515:A:ASN:HD22	7	0.19
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB2	3	0.19
(1,2187)	1:495:A:ARG:H	1:496:A:GLU:HB3	3	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	6	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	6	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	6	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	6	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	6	0.19
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	6	0.19
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	3	0.19
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	3	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD11	8	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD12	8	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD13	8	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD21	8	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD22	8	0.19
(1,2098)	1:485:A:LYS:H	1:487:A:LEU:HD23	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD11	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD12	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD13	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD21	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD22	8	0.19
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD23	8	0.19
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	9	0.19
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	9	0.19
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	9	0.19
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	9	0.19
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	9	0.19
(1,1976)	1:460:A:LEU:HD11	1:526:A:ALA:HA	5	0.19
(1,1976)	1:460:A:LEU:HD12	1:526:A:ALA:HA	5	0.19
(1,1976)	1:460:A:LEU:HD13	1:526:A:ALA:HA	5	0.19
(1,1976)	1:460:A:LEU:HD21	1:526:A:ALA:HA	5	0.19
(1,1976)	1:460:A:LEU:HD22	1:526:A:ALA:HA	5	0.19
(1,1976)	1:460:A:LEU:HD23	1:526:A:ALA:HA	5	0.19
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	3	0.19
(1,1972)	1:460:A:LEU:HD11	1:512:A:LEU:H	6	0.19
(1,1972)	1:460:A:LEU:HD12	1:512:A:LEU:H	6	0.19
(1,1972)	1:460:A:LEU:HD13	1:512:A:LEU:H	6	0.19
(1,1972)	1:460:A:LEU:HD21	1:512:A:LEU:H	6	0.19
(1,1972)	1:460:A:LEU:HD22	1:512:A:LEU:H	6	0.19
(1,1972)	1:460:A:LEU:HD23	1:512:A:LEU:H	6	0.19
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD11	4	0.19
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD12	4	0.19
(1,1928)	1:473:A:PHE:H	1:513:A:ILE:HD13	4	0.19
(1,1871)	1:477:A:VAL:HG11	1:530:A:SER:H	9	0.19
(1,1871)	1:477:A:VAL:HG12	1:530:A:SER:H	9	0.19
(1,1871)	1:477:A:VAL:HG13	1:530:A:SER:H	9	0.19
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	1	0.19
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	1	0.19
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	1	0.19
(1,1851)	1:488:A:LYS:H	1:526:A:ALA:H	9	0.19
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	9	0.19
(1,1736)	1:494:A:THR:H	1:495:A:ARG:HA	4	0.19
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	5	0.19
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	8	0.19
(1,1621)	1:463:A:GLN:HE21	1:471:A:VAL:HA	7	0.19
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	9	0.19
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	9	0.19
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	9	0.19
(1,1572)	1:526:A:ALA:HB1	1:536:A:ALA:H	2	0.19
(1,1572)	1:526:A:ALA:HB2	1:536:A:ALA:H	2	0.19
(1,1572)	1:526:A:ALA:HB3	1:536:A:ALA:H	2	0.19
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	6	0.19
(1,1544)	1:514:A:ILE:HG21	1:517:A:ALA:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:514:A:ILE:HG22	1:517:A:ALA:H	7	0.19
(1,1544)	1:514:A:ILE:HG23	1:517:A:ALA:H	7	0.19
(1,1544)	1:514:A:ILE:HG21	1:517:A:ALA:H	9	0.19
(1,1544)	1:514:A:ILE:HG22	1:517:A:ALA:H	9	0.19
(1,1544)	1:514:A:ILE:HG23	1:517:A:ALA:H	9	0.19
(1,1478)	1:459:A:PRO:HB2	1:460:A:LEU:H	3	0.19
(1,1478)	1:459:A:PRO:HB3	1:460:A:LEU:H	3	0.19
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	6	0.19
(1,1446)	1:477:A:VAL:HB	1:479:A:GLU:H	5	0.19
(1,1442)	1:477:A:VAL:HG21	1:479:A:GLU:H	8	0.19
(1,1442)	1:477:A:VAL:HG22	1:479:A:GLU:H	8	0.19
(1,1442)	1:477:A:VAL:HG23	1:479:A:GLU:H	8	0.19
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	4	0.19
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB1	8	0.19
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB2	8	0.19
(1,1413)	1:454:A:VAL:H	1:482:A:ALA:HB3	8	0.19
(1,1385)	1:456:A:ILE:HA	1:458:A:ARG:H	3	0.19
(1,1373)	1:470:A:ARG:H	1:516:A:GLU:HA	6	0.19
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	4	0.19
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	4	0.19
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	4	0.19
(1,1351)	1:529:A:THR:HG21	1:533:A:GLN:H	7	0.19
(1,1351)	1:529:A:THR:HG22	1:533:A:GLN:H	7	0.19
(1,1351)	1:529:A:THR:HG23	1:533:A:GLN:H	7	0.19
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	4	0.19
(1,1339)	1:454:A:VAL:HB	1:532:A:GLY:H	6	0.19
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	8	0.19
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	8	0.19
(1,1316)	1:478:A:SER:HA	1:508:A:GLN:HE22	5	0.19
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	5	0.19
(1,1313)	1:502:A:ARG:HB2	1:515:A:ASN:HD21	8	0.19
(1,1313)	1:502:A:ARG:HB3	1:515:A:ASN:HD21	8	0.19
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	10	0.19
(1,1204)	1:502:A:ARG:HB2	1:503:A:PHE:H	4	0.19
(1,1204)	1:502:A:ARG:HB3	1:503:A:PHE:H	4	0.19
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	9	0.19
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	9	0.19
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	9	0.19
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	5	0.19
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	8	0.19
(1,1107)	1:473:A:PHE:H	1:511:A:HIS:HA	7	0.19
(1,1072)	1:487:A:LEU:H	1:493:A:LEU:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:487:A:LEU:HB2	1:490:A:GLY:H	7	0.19
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	10	0.19
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	10	0.19
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	10	0.19
(1,1031)	1:455:A:LEU:H	1:479:A:GLU:H	7	0.19
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE1	4	0.19
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE2	4	0.19
(1,994)	1:466:A:MET:HA	1:466:A:MET:HE3	4	0.19
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG2	7	0.19
(1,943)	1:464:A:LEU:HG	1:541:A:GLN:HG3	7	0.19
(1,747)	1:460:A:LEU:HG	1:526:A:ALA:HA	1	0.19
(1,747)	1:460:A:LEU:HG	1:526:A:ALA:HA	5	0.19
(1,741)	1:473:A:PHE:HZ	1:525:A:TYR:HB2	3	0.19
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	5	0.19
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	5	0.19
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	5	0.19
(1,721)	1:470:A:ARG:HA	1:516:A:GLU:HA	4	0.19
(1,648)	1:467:A:VAL:HA	1:516:A:GLU:HA	6	0.19
(1,641)	1:471:A:VAL:H	1:515:A:ASN:HA	5	0.19
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	8	0.19
(1,518)	1:526:A:ALA:HB1	1:535:A:LEU:HA	2	0.19
(1,518)	1:526:A:ALA:HB2	1:535:A:LEU:HA	2	0.19
(1,518)	1:526:A:ALA:HB3	1:535:A:LEU:HA	2	0.19
(1,481)	1:499:A:PHE:H	1:500:A:LYS:HE3	10	0.19
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	7	0.19
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	7	0.19
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	7	0.19
(1,429)	1:495:A:ARG:HA	1:503:A:PHE:HZ	10	0.19
(1,419)	1:494:A:THR:HA	1:495:A:ARG:HG2	1	0.19
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	8	0.19
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	8	0.19
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	8	0.19
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG11	8	0.19
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG12	8	0.19
(1,336)	1:454:A:VAL:HG11	1:484:A:VAL:HG13	8	0.19
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG11	8	0.19
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG12	8	0.19
(1,336)	1:454:A:VAL:HG12	1:484:A:VAL:HG13	8	0.19
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG11	8	0.19
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG12	8	0.19
(1,336)	1:454:A:VAL:HG13	1:484:A:VAL:HG13	8	0.19
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	4	0.19
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	4	0.19
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	2	0.19
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	2	0.19
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	2	0.19
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	6	0.19
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	6	0.19
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	6	0.19
(1,133)	1:465:A:VAL:HG21	1:539:A:ILE:H	2	0.19
(1,133)	1:465:A:VAL:HG22	1:539:A:ILE:H	2	0.19
(1,133)	1:465:A:VAL:HG23	1:539:A:ILE:H	2	0.19
(1,130)	1:465:A:VAL:HG21	1:469:A:GLN:H	3	0.19
(1,130)	1:465:A:VAL:HG22	1:469:A:GLN:H	3	0.19
(1,130)	1:465:A:VAL:HG23	1:469:A:GLN:H	3	0.19
(1,122)	1:465:A:VAL:HG11	1:469:A:GLN:HA	2	0.19
(1,122)	1:465:A:VAL:HG12	1:469:A:GLN:HA	2	0.19
(1,122)	1:465:A:VAL:HG13	1:469:A:GLN:HA	2	0.19
(1,77)	1:459:A:PRO:HB2	1:460:A:LEU:HD21	8	0.19
(1,77)	1:459:A:PRO:HB2	1:460:A:LEU:HD22	8	0.19
(1,77)	1:459:A:PRO:HB2	1:460:A:LEU:HD23	8	0.19
(1,77)	1:459:A:PRO:HB3	1:460:A:LEU:HD21	8	0.19
(1,77)	1:459:A:PRO:HB3	1:460:A:LEU:HD22	8	0.19
(1,77)	1:459:A:PRO:HB3	1:460:A:LEU:HD23	8	0.19
(1,67)	1:456:A:ILE:HG21	1:460:A:LEU:H	6	0.19
(1,67)	1:456:A:ILE:HG22	1:460:A:LEU:H	6	0.19
(1,67)	1:456:A:ILE:HG23	1:460:A:LEU:H	6	0.19
(1,39)	1:471:A:VAL:HG11	1:513:A:ILE:HA	1	0.19
(1,39)	1:471:A:VAL:HG12	1:513:A:ILE:HA	1	0.19
(1,39)	1:471:A:VAL:HG13	1:513:A:ILE:HA	1	0.19
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD11	4	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD12	4	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD13	4	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD21	4	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD22	4	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD23	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD11	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD12	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD13	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD21	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD22	4	0.18
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD23	4	0.18
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	10	0.18
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	10	0.18
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD21	10	0.18
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD22	10	0.18
(1,2239)	1:510:A:HIS:HB2	1:527:A:LEU:HD23	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD11	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD12	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD13	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD21	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD22	10	0.18
(1,2239)	1:510:A:HIS:HB3	1:527:A:LEU:HD23	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD11	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD12	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD13	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD21	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD22	10	0.18
(1,2207)	1:502:A:ARG:HG2	1:512:A:LEU:HD23	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD11	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD12	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD13	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD21	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD22	10	0.18
(1,2207)	1:502:A:ARG:HG3	1:512:A:LEU:HD23	10	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	5	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	5	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	5	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	5	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	5	0.18
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	5	0.18
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	5	0.18
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB2	7	0.18
(1,1961)	1:460:A:LEU:HD11	1:473:A:PHE:HB3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:460:A:LEU:HD12	1:473:A:PHE:HB3	7	0.18
(1,1961)	1:460:A:LEU:HD13	1:473:A:PHE:HB3	7	0.18
(1,1961)	1:460:A:LEU:HD21	1:473:A:PHE:HB3	7	0.18
(1,1961)	1:460:A:LEU:HD22	1:473:A:PHE:HB3	7	0.18
(1,1961)	1:460:A:LEU:HD23	1:473:A:PHE:HB3	7	0.18
(1,1959)	1:460:A:LEU:HD11	1:461:A:GLU:H	7	0.18
(1,1959)	1:460:A:LEU:HD12	1:461:A:GLU:H	7	0.18
(1,1959)	1:460:A:LEU:HD13	1:461:A:GLU:H	7	0.18
(1,1959)	1:460:A:LEU:HD21	1:461:A:GLU:H	7	0.18
(1,1959)	1:460:A:LEU:HD22	1:461:A:GLU:H	7	0.18
(1,1959)	1:460:A:LEU:HD23	1:461:A:GLU:H	7	0.18
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	9	0.18
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	9	0.18
(1,1910)	1:466:A:MET:H	1:541:A:GLN:HE22	10	0.18
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	4	0.18
(1,1888)	1:527:A:LEU:H	1:535:A:LEU:H	3	0.18
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	6	0.18
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	6	0.18
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	6	0.18
(1,1882)	1:527:A:LEU:H	1:534:A:ALA:H	10	0.18
(1,1851)	1:488:A:LYS:H	1:526:A:ALA:H	1	0.18
(1,1805)	1:466:A:MET:HA	1:542:A:GLU:H	8	0.18
(1,1805)	1:466:A:MET:HA	1:542:A:GLU:H	9	0.18
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	8	0.18
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	2	0.18
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	2	0.18
(1,1756)	1:477:A:VAL:HG21	1:509:A:ARG:H	7	0.18
(1,1756)	1:477:A:VAL:HG22	1:509:A:ARG:H	7	0.18
(1,1756)	1:477:A:VAL:HG23	1:509:A:ARG:H	7	0.18
(1,1750)	1:509:A:ARG:H	1:510:A:HIS:H	8	0.18
(1,1744)	1:494:A:THR:HG21	1:495:A:ARG:H	2	0.18
(1,1744)	1:494:A:THR:HG22	1:495:A:ARG:H	2	0.18
(1,1744)	1:494:A:THR:HG23	1:495:A:ARG:H	2	0.18
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	7	0.18
(1,1726)	1:487:A:LEU:H	1:493:A:LEU:HB2	3	0.18
(1,1708)	1:456:A:ILE:H	1:533:A:GLN:H	7	0.18
(1,1703)	1:479:A:GLU:HG2	1:482:A:ALA:H	6	0.18
(1,1703)	1:479:A:GLU:HG3	1:482:A:ALA:H	6	0.18
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	4	0.18
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB1	9	0.18
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB2	9	0.18
(1,1646)	1:469:A:GLN:H	1:517:A:ALA:HB3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB1	7	0.18
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB2	7	0.18
(1,1614)	1:461:A:GLU:H	1:536:A:ALA:HB3	7	0.18
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	7	0.18
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	7	0.18
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB2	8	0.18
(1,1584)	1:455:A:LEU:H	1:479:A:GLU:HB3	8	0.18
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	3	0.18
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG21	5	0.18
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG22	5	0.18
(1,1522)	1:478:A:SER:H	1:529:A:THR:HG23	5	0.18
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	2	0.18
(1,1486)	1:498:A:THR:H	1:500:A:LYS:H	3	0.18
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	10	0.18
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	10	0.18
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	2	0.18
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	2	0.18
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	2	0.18
(1,1381)	1:456:A:ILE:HG21	1:458:A:ARG:H	2	0.18
(1,1381)	1:456:A:ILE:HG22	1:458:A:ARG:H	2	0.18
(1,1381)	1:456:A:ILE:HG23	1:458:A:ARG:H	2	0.18
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	10	0.18
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	2	0.18
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	9	0.18
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	9	0.18
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	9	0.18
(1,1305)	1:505:A:LYS:HB2	1:507:A:GLY:H	7	0.18
(1,1305)	1:505:A:LYS:HB3	1:507:A:GLY:H	7	0.18
(1,1290)	1:500:A:LYS:HG2	1:501:A:TYR:H	3	0.18
(1,1290)	1:500:A:LYS:HG3	1:501:A:TYR:H	3	0.18
(1,1290)	1:500:A:LYS:HG2	1:501:A:TYR:H	7	0.18
(1,1290)	1:500:A:LYS:HG3	1:501:A:TYR:H	7	0.18
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	1	0.18
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	10	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	1	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	1	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	1	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	2	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	2	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	2	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	8	0.18
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	8	0.18
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	7	0.18
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	7	0.18
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	7	0.18
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	9	0.18
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	9	0.18
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	9	0.18
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	3	0.18
(1,1138)	1:515:A:ASN:H	1:515:A:ASN:HD22	3	0.18
(1,1113)	1:486:A:TRP:HZ2	1:512:A:LEU:H	6	0.18
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	6	0.18
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	3	0.18
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	3	0.18
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG2	9	0.18
(1,1100)	1:541:A:GLN:H	1:541:A:GLN:HG3	9	0.18
(1,1092)	1:463:A:GLN:HE22	1:472:A:GLU:H	7	0.18
(1,1084)	1:488:A:LYS:HG3	1:525:A:TYR:H	4	0.18
(1,1074)	1:464:A:LEU:H	1:464:A:LEU:HB3	2	0.18
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	2	0.18
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	2	0.18
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	2	0.18
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	7	0.18
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	7	0.18
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	7	0.18
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	9	0.18
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	9	0.18
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	9	0.18
(1,1009)	1:539:A:ILE:H	1:540:A:VAL:H	3	0.18
(1,977)	1:500:A:LYS:HD2	1:501:A:TYR:HE1	1	0.18
(1,977)	1:500:A:LYS:HD3	1:501:A:TYR:HE1	1	0.18
(1,893)	1:539:A:ILE:HG21	1:541:A:GLN:HE21	10	0.18
(1,893)	1:539:A:ILE:HG22	1:541:A:GLN:HE21	10	0.18
(1,893)	1:539:A:ILE:HG23	1:541:A:GLN:HE21	10	0.18
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	9	0.18
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB1	7	0.18
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB2	7	0.18
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB3	7	0.18
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB1	6	0.18
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB2	6	0.18
(1,829)	1:526:A:ALA:HA	1:534:A:ALA:HB3	6	0.18
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	5	0.18
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	5	0.18
(1,799)	1:484:A:VAL:HB	1:529:A:THR:HA	2	0.18
(1,771)	1:527:A:LEU:HD21	1:529:A:THR:HA	4	0.18
(1,771)	1:527:A:LEU:HD22	1:529:A:THR:HA	4	0.18
(1,771)	1:527:A:LEU:HD23	1:529:A:THR:HA	4	0.18
(1,725)	1:522:A:ALA:HB1	1:538:A:LEU:HB2	9	0.18
(1,725)	1:522:A:ALA:HB2	1:538:A:LEU:HB2	9	0.18
(1,725)	1:522:A:ALA:HB3	1:538:A:LEU:HB2	9	0.18
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB2	9	0.18
(1,718)	1:518:A:MET:HB2	1:520:A:GLU:HB3	9	0.18
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	10	0.18
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	10	0.18
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	10	0.18
(1,602)	1:472:A:GLU:HA	1:513:A:ILE:HG12	5	0.18
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	6	0.18
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	6	0.18
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	6	0.18
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD11	3	0.18
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD12	3	0.18
(1,580)	1:486:A:TRP:HB3	1:512:A:LEU:HD13	3	0.18
(1,560)	1:504:A:LYS:HB2	1:511:A:HIS:HA	1	0.18
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	6	0.18
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	8	0.18
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB2	1	0.18
(1,280)	1:477:A:VAL:HG11	1:530:A:SER:HB3	1	0.18
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB2	1	0.18
(1,280)	1:477:A:VAL:HG12	1:530:A:SER:HB3	1	0.18
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB2	1	0.18
(1,280)	1:477:A:VAL:HG13	1:530:A:SER:HB3	1	0.18
(1,275)	1:477:A:VAL:HG11	1:510:A:HIS:HD2	8	0.18
(1,275)	1:477:A:VAL:HG12	1:510:A:HIS:HD2	8	0.18
(1,275)	1:477:A:VAL:HG13	1:510:A:HIS:HD2	8	0.18
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	10	0.18
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	10	0.18
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	10	0.18
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	8	0.18
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	8	0.18
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	8	0.18
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD2	7	0.18
(1,207)	1:502:A:ARG:H	1:502:A:ARG:HD3	7	0.18
(1,200)	1:458:A:ARG:HD2	1:459:A:PRO:HB2	6	0.18
(1,200)	1:458:A:ARG:HD2	1:459:A:PRO:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:458:A:ARG:HD3	1:459:A:PRO:HB2	6	0.18
(1,200)	1:458:A:ARG:HD3	1:459:A:PRO:HB3	6	0.18
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD11	5	0.18
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD12	5	0.18
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD13	5	0.18
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	1	0.18
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	1	0.18
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	1	0.18
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	2	0.18
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	2	0.18
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	2	0.18
(1,73)	1:457:A:THR:HG21	1:476:A:GLU:HB2	2	0.18
(1,73)	1:457:A:THR:HG22	1:476:A:GLU:HB2	2	0.18
(1,73)	1:457:A:THR:HG23	1:476:A:GLU:HB2	2	0.18
(1,15)	1:454:A:VAL:HB	1:529:A:THR:HB	5	0.18
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD11	7	0.17
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD12	7	0.17
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD13	7	0.17
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD21	7	0.17
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD22	7	0.17
(1,2269)	1:521:A:ASP:HB2	1:538:A:LEU:HD23	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD11	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD12	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD13	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD21	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD22	7	0.17
(1,2269)	1:521:A:ASP:HB3	1:538:A:LEU:HD23	7	0.17
(1,2256)	1:515:A:ASN:HD21	1:516:A:GLU:H	7	0.17
(1,2256)	1:515:A:ASN:HD22	1:516:A:GLU:H	7	0.17
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB2	7	0.17
(1,2186)	1:494:A:THR:HG21	1:496:A:GLU:HB3	7	0.17
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB2	7	0.17
(1,2186)	1:494:A:THR:HG22	1:496:A:GLU:HB3	7	0.17
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB2	7	0.17
(1,2186)	1:494:A:THR:HG23	1:496:A:GLU:HB3	7	0.17
(1,2163)	1:488:A:LYS:HE2	1:524:A:HIS:H	5	0.17
(1,2163)	1:488:A:LYS:HE3	1:524:A:HIS:H	5	0.17
(1,2146)	1:487:A:LEU:HD11	1:526:A:ALA:H	2	0.17
(1,2146)	1:487:A:LEU:HD12	1:526:A:ALA:H	2	0.17
(1,2146)	1:487:A:LEU:HD13	1:526:A:ALA:H	2	0.17
(1,2146)	1:487:A:LEU:HD21	1:526:A:ALA:H	2	0.17
(1,2146)	1:487:A:LEU:HD22	1:526:A:ALA:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:487:A:LEU:HD23	1:526:A:ALA:H	2	0.17
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB2	8	0.17
(1,2106)	1:485:A:LYS:HD2	1:528:A:CYS:HB3	8	0.17
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB2	8	0.17
(1,2106)	1:485:A:LYS:HD3	1:528:A:CYS:HB3	8	0.17
(1,2089)	1:477:A:VAL:HG21	1:478:A:SER:HB2	1	0.17
(1,2089)	1:477:A:VAL:HG21	1:478:A:SER:HB3	1	0.17
(1,2089)	1:477:A:VAL:HG22	1:478:A:SER:HB2	1	0.17
(1,2089)	1:477:A:VAL:HG22	1:478:A:SER:HB3	1	0.17
(1,2089)	1:477:A:VAL:HG23	1:478:A:SER:HB2	1	0.17
(1,2089)	1:477:A:VAL:HG23	1:478:A:SER:HB3	1	0.17
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG11	1	0.17
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG12	1	0.17
(1,2023)	1:466:A:MET:HG2	1:540:A:VAL:HG13	1	0.17
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG11	1	0.17
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG12	1	0.17
(1,2023)	1:466:A:MET:HG3	1:540:A:VAL:HG13	1	0.17
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG2	2	0.17
(1,1904)	1:540:A:VAL:H	1:541:A:GLN:HG3	2	0.17
(1,1903)	1:466:A:MET:HB3	1:543:A:LYS:H	7	0.17
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB1	5	0.17
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB2	5	0.17
(1,1861)	1:527:A:LEU:H	1:534:A:ALA:HB3	5	0.17
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	4	0.17
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	10	0.17
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	10	0.17
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	10	0.17
(1,1732)	1:491:A:VAL:H	1:492:A:GLU:H	5	0.17
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	3	0.17
(1,1644)	1:469:A:GLN:H	1:516:A:GLU:HA	2	0.17
(1,1610)	1:461:A:GLU:H	1:537:A:GLU:H	10	0.17
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	8	0.17
(1,1505)	1:465:A:VAL:HA	1:469:A:GLN:HE22	7	0.17
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	2	0.17
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	2	0.17
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	3	0.17
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	3	0.17
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	4	0.17
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	4	0.17
(1,1453)	1:514:A:ILE:HB	1:516:A:GLU:H	6	0.17
(1,1443)	1:454:A:VAL:HG11	1:479:A:GLU:H	4	0.17
(1,1443)	1:454:A:VAL:HG12	1:479:A:GLU:H	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:454:A:VAL:HG13	1:479:A:GLU:H	4	0.17
(1,1442)	1:477:A:VAL:HG21	1:479:A:GLU:H	3	0.17
(1,1442)	1:477:A:VAL:HG22	1:479:A:GLU:H	3	0.17
(1,1442)	1:477:A:VAL:HG23	1:479:A:GLU:H	3	0.17
(1,1442)	1:477:A:VAL:HG21	1:479:A:GLU:H	6	0.17
(1,1442)	1:477:A:VAL:HG22	1:479:A:GLU:H	6	0.17
(1,1442)	1:477:A:VAL:HG23	1:479:A:GLU:H	6	0.17
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	7	0.17
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	7	0.17
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	7	0.17
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	8	0.17
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	8	0.17
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	8	0.17
(1,1355)	1:520:A:GLU:HA	1:521:A:ASP:H	3	0.17
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB1	8	0.17
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB2	8	0.17
(1,1353)	1:533:A:GLN:H	1:534:A:ALA:HB3	8	0.17
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	4	0.17
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	4	0.17
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	4	0.17
(1,1326)	1:479:A:GLU:HB2	1:508:A:GLN:HE21	10	0.17
(1,1326)	1:479:A:GLU:HB3	1:508:A:GLN:HE21	10	0.17
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	9	0.17
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	3	0.17
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	6	0.17
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	1	0.17
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB1	3	0.17
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB2	3	0.17
(1,1223)	1:466:A:MET:H	1:517:A:ALA:HB3	3	0.17
(1,1204)	1:502:A:ARG:HB2	1:503:A:PHE:H	7	0.17
(1,1204)	1:502:A:ARG:HB3	1:503:A:PHE:H	7	0.17
(1,1124)	1:504:A:LYS:HB2	1:512:A:LEU:H	3	0.17
(1,1110)	1:473:A:PHE:H	1:512:A:LEU:H	10	0.17
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	2	0.17
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	2	0.17
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	2	0.17
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	1	0.17
(1,1057)	1:487:A:LEU:HB2	1:490:A:GLY:H	8	0.17
(1,1028)	1:488:A:LYS:HD2	1:489:A:ASP:H	10	0.17
(1,1004)	1:456:A:ILE:HD11	1:532:A:GLY:H	3	0.17
(1,1004)	1:456:A:ILE:HD12	1:532:A:GLY:H	3	0.17
(1,1004)	1:456:A:ILE:HD13	1:532:A:GLY:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:486:A:TRP:HZ3	1:487:A:LEU:H	4	0.17
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	5	0.17
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	5	0.17
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	5	0.17
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	1	0.17
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	2	0.17
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB1	9	0.17
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB2	9	0.17
(1,862)	1:525:A:TYR:HA	1:536:A:ALA:HB3	9	0.17
(1,832)	1:527:A:LEU:H	1:535:A:LEU:HA	7	0.17
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	5	0.17
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	5	0.17
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	5	0.17
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	1	0.17
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	1	0.17
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	1	0.17
(1,744)	1:460:A:LEU:HD21	1:525:A:TYR:HB3	4	0.17
(1,744)	1:460:A:LEU:HD22	1:525:A:TYR:HB3	4	0.17
(1,744)	1:460:A:LEU:HD23	1:525:A:TYR:HB3	4	0.17
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG21	3	0.17
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG22	3	0.17
(1,707)	1:454:A:VAL:HG11	1:529:A:THR:HG23	3	0.17
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG21	3	0.17
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG22	3	0.17
(1,707)	1:454:A:VAL:HG12	1:529:A:THR:HG23	3	0.17
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG21	3	0.17
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG22	3	0.17
(1,707)	1:454:A:VAL:HG13	1:529:A:THR:HG23	3	0.17
(1,606)	1:513:A:ILE:HG21	1:515:A:ASN:HA	7	0.17
(1,606)	1:513:A:ILE:HG22	1:515:A:ASN:HA	7	0.17
(1,606)	1:513:A:ILE:HG23	1:515:A:ASN:HA	7	0.17
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB2	9	0.17
(1,605)	1:513:A:ILE:HG21	1:515:A:ASN:HB3	9	0.17
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB2	9	0.17
(1,605)	1:513:A:ILE:HG22	1:515:A:ASN:HB3	9	0.17
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB2	9	0.17
(1,605)	1:513:A:ILE:HG23	1:515:A:ASN:HB3	9	0.17
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	9	0.17
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	9	0.17
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	9	0.17
(1,534)	1:507:A:GLY:HA2	1:508:A:GLN:HG2	4	0.17
(1,534)	1:507:A:GLY:HA2	1:508:A:GLN:HG2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	7	0.17
(1,430)	1:494:A:THR:HG21	1:495:A:ARG:HA	9	0.17
(1,430)	1:494:A:THR:HG22	1:495:A:ARG:HA	9	0.17
(1,430)	1:494:A:THR:HG23	1:495:A:ARG:HA	9	0.17
(1,361)	1:486:A:TRP:HA	1:527:A:LEU:HB3	10	0.17
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	10	0.17
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	10	0.17
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	10	0.17
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	10	0.17
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	10	0.17
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	10	0.17
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG21	1	0.17
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG22	1	0.17
(1,338)	1:484:A:VAL:HG21	1:529:A:THR:HG23	1	0.17
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG21	1	0.17
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG22	1	0.17
(1,338)	1:484:A:VAL:HG22	1:529:A:THR:HG23	1	0.17
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG21	1	0.17
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG22	1	0.17
(1,338)	1:484:A:VAL:HG23	1:529:A:THR:HG23	1	0.17
(1,334)	1:484:A:VAL:HG11	1:529:A:THR:HB	8	0.17
(1,334)	1:484:A:VAL:HG12	1:529:A:THR:HB	8	0.17
(1,334)	1:484:A:VAL:HG13	1:529:A:THR:HB	8	0.17
(1,328)	1:483:A:GLN:HG2	1:484:A:VAL:H	10	0.17
(1,328)	1:483:A:GLN:HG3	1:484:A:VAL:H	10	0.17
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	3	0.17
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB2	7	0.17
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB3	7	0.17
(1,205)	1:502:A:ARG:HD2	1:515:A:ASN:H	5	0.17
(1,205)	1:502:A:ARG:HD3	1:515:A:ASN:H	5	0.17
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG2	10	0.17
(1,188)	1:466:A:MET:HB2	1:469:A:GLN:HG3	10	0.17
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG21	3	0.17
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG22	3	0.17
(1,160)	1:467:A:VAL:HA	1:540:A:VAL:HG23	3	0.17
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	4	0.17
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	4	0.17
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	4	0.17
(1,97)	1:462:A:ASP:HA	1:463:A:GLN:H	1	0.17
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD11	6	0.16
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD12	6	0.16
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD13	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD21	6	0.16
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD22	6	0.16
(1,2281)	1:525:A:TYR:H	1:538:A:LEU:HD23	6	0.16
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	5	0.16
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	5	0.16
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	5	0.16
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	5	0.16
(1,2229)	1:506:A:ASP:HB2	1:509:A:ARG:H	7	0.16
(1,2229)	1:506:A:ASP:HB3	1:509:A:ARG:H	7	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD11	10	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD12	10	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD13	10	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD21	10	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD22	10	0.16
(1,2217)	1:504:A:LYS:H	1:512:A:LEU:HD23	10	0.16
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD11	1:533:A:GLN:HE22	2	0.16
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD12	1:533:A:GLN:HE22	2	0.16
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD13	1:533:A:GLN:HE22	2	0.16
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD21	1:533:A:GLN:HE22	2	0.16
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD22	1:533:A:GLN:HE22	2	0.16
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE21	2	0.16
(1,2151)	1:487:A:LEU:HD23	1:533:A:GLN:HE22	2	0.16
(1,2150)	1:487:A:LEU:HD11	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD11	1:528:A:CYS:HB3	1	0.16
(1,2150)	1:487:A:LEU:HD12	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD12	1:528:A:CYS:HB3	1	0.16
(1,2150)	1:487:A:LEU:HD13	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD13	1:528:A:CYS:HB3	1	0.16
(1,2150)	1:487:A:LEU:HD21	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD21	1:528:A:CYS:HB3	1	0.16
(1,2150)	1:487:A:LEU:HD22	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD22	1:528:A:CYS:HB3	1	0.16
(1,2150)	1:487:A:LEU:HD23	1:528:A:CYS:HB2	1	0.16
(1,2150)	1:487:A:LEU:HD23	1:528:A:CYS:HB3	1	0.16
(1,2149)	1:487:A:LEU:HD11	1:528:A:CYS:H	7	0.16
(1,2149)	1:487:A:LEU:HD12	1:528:A:CYS:H	7	0.16
(1,2149)	1:487:A:LEU:HD13	1:528:A:CYS:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:487:A:LEU:HD21	1:528:A:CYS:H	7	0.16
(1,2149)	1:487:A:LEU:HD22	1:528:A:CYS:H	7	0.16
(1,2149)	1:487:A:LEU:HD23	1:528:A:CYS:H	7	0.16
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	7	0.16
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	7	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD11	10	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD12	10	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD13	10	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD21	10	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD22	10	0.16
(1,2068)	1:473:A:PHE:HD1	1:538:A:LEU:HD23	10	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	6	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	6	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	6	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	6	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	6	0.16
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	6	0.16
(1,2004)	1:464:A:LEU:HD11	1:539:A:ILE:HB	3	0.16
(1,2004)	1:464:A:LEU:HD12	1:539:A:ILE:HB	3	0.16
(1,2004)	1:464:A:LEU:HD13	1:539:A:ILE:HB	3	0.16
(1,2004)	1:464:A:LEU:HD21	1:539:A:ILE:HB	3	0.16
(1,2004)	1:464:A:LEU:HD22	1:539:A:ILE:HB	3	0.16
(1,2004)	1:464:A:LEU:HD23	1:539:A:ILE:HB	3	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD11	8	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD12	8	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD13	8	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD21	8	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD22	8	0.16
(1,1996)	1:463:A:GLN:HE22	1:538:A:LEU:HD23	8	0.16
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	9	0.16
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	9	0.16
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	9	0.16
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	9	0.16
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	2	0.16
(1,1892)	1:523:A:GLY:HA2	1:538:A:LEU:H	1	0.16
(1,1887)	1:460:A:LEU:H	1:535:A:LEU:H	6	0.16
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	3	0.16
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	3	0.16
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	3	0.16
(1,1828)	1:522:A:ALA:H	1:540:A:VAL:HB	6	0.16
(1,1821)	1:500:A:LYS:H	1:515:A:ASN:H	8	0.16
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	7	0.16
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	8	0.16
(1,1807)	1:476:A:GLU:H	1:510:A:HIS:H	3	0.16
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	2	0.16
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	4	0.16
(1,1685)	1:480:A:GLU:H	1:508:A:GLN:HE21	2	0.16
(1,1657)	1:471:A:VAL:H	1:471:A:VAL:HB	4	0.16
(1,1638)	1:467:A:VAL:H	1:542:A:GLU:H	5	0.16
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	7	0.16
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	7	0.16
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	2	0.16
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	9	0.16
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	1	0.16
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	1	0.16
(1,1515)	1:461:A:GLU:H	1:463:A:GLN:HE22	2	0.16
(1,1484)	1:497:A:GLU:HB2	1:498:A:THR:H	3	0.16
(1,1484)	1:497:A:GLU:HB3	1:498:A:THR:H	3	0.16
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	5	0.16
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	5	0.16
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB1	3	0.16
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB2	3	0.16
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB3	3	0.16
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	9	0.16
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	2	0.16
(1,1419)	1:510:A:HIS:H	1:511:A:HIS:HD2	4	0.16
(1,1394)	1:456:A:ILE:HD11	1:535:A:LEU:H	5	0.16
(1,1394)	1:456:A:ILE:HD12	1:535:A:LEU:H	5	0.16
(1,1394)	1:456:A:ILE:HD13	1:535:A:LEU:H	5	0.16
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	6	0.16
(1,1352)	1:456:A:ILE:HG13	1:533:A:GLN:H	4	0.16
(1,1352)	1:456:A:ILE:HG12	1:533:A:GLN:H	4	0.16
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	3	0.16
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	10	0.16
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	10	0.16
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	10	0.16
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	8	0.16
(1,1271)	1:518:A:MET:H	1:520:A:GLU:H	3	0.16
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	4	0.16
(1,1219)	1:487:A:LEU:HB3	1:488:A:LYS:H	1	0.16
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	3	0.16
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG11	7	0.16
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:519:A:LEU:H	1:540:A:VAL:HG13	7	0.16
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	2	0.16
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	2	0.16
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	2	0.16
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	5	0.16
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	5	0.16
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	5	0.16
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	7	0.16
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	5	0.16
(1,1123)	1:512:A:LEU:H	1:513:A:ILE:HB	10	0.16
(1,1045)	1:486:A:TRP:HE1	1:512:A:LEU:HB2	10	0.16
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	4	0.16
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	4	0.16
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	4	0.16
(1,1018)	1:489:A:ASP:H	1:491:A:VAL:H	4	0.16
(1,973)	1:498:A:THR:HA	1:499:A:PHE:HE2	9	0.16
(1,972)	1:499:A:PHE:HD1	1:500:A:LYS:HG2	4	0.16
(1,972)	1:499:A:PHE:HD1	1:500:A:LYS:HG3	4	0.16
(1,972)	1:499:A:PHE:HD2	1:500:A:LYS:HG2	4	0.16
(1,972)	1:499:A:PHE:HD2	1:500:A:LYS:HG3	4	0.16
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB1	8	0.16
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB2	8	0.16
(1,960)	1:473:A:PHE:HZ	1:536:A:ALA:HB3	8	0.16
(1,854)	1:460:A:LEU:HB2	1:536:A:ALA:HA	9	0.16
(1,854)	1:460:A:LEU:HB3	1:536:A:ALA:HA	9	0.16
(1,784)	1:456:A:ILE:HD11	1:528:A:CYS:HA	7	0.16
(1,784)	1:456:A:ILE:HD12	1:528:A:CYS:HA	7	0.16
(1,784)	1:456:A:ILE:HD13	1:528:A:CYS:HA	7	0.16
(1,700)	1:467:A:VAL:H	1:519:A:LEU:HD21	1	0.16
(1,700)	1:467:A:VAL:H	1:519:A:LEU:HD22	1	0.16
(1,700)	1:467:A:VAL:H	1:519:A:LEU:HD23	1	0.16
(1,542)	1:477:A:VAL:H	1:508:A:GLN:HG2	7	0.16
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB1	7	0.16
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB2	7	0.16
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB3	7	0.16
(1,519)	1:526:A:ALA:HB1	1:535:A:LEU:H	9	0.16
(1,519)	1:526:A:ALA:HB2	1:535:A:LEU:H	9	0.16
(1,519)	1:526:A:ALA:HB3	1:535:A:LEU:H	9	0.16
(1,517)	1:526:A:ALA:HB1	1:527:A:LEU:H	1	0.16
(1,517)	1:526:A:ALA:HB2	1:527:A:LEU:H	1	0.16
(1,517)	1:526:A:ALA:HB3	1:527:A:LEU:H	1	0.16
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG2	5	0.16
(1,440)	1:485:A:LYS:HG2	1:492:A:GLU:HG3	5	0.16
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG2	5	0.16
(1,440)	1:485:A:LYS:HG3	1:492:A:GLU:HG3	5	0.16
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	7	0.16
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	7	0.16
(1,322)	1:482:A:ALA:HB1	1:484:A:VAL:H	1	0.16
(1,322)	1:482:A:ALA:HB2	1:484:A:VAL:H	1	0.16
(1,322)	1:482:A:ALA:HB3	1:484:A:VAL:H	1	0.16
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	7	0.16
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	7	0.16
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	7	0.16
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB1	6	0.16
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB2	6	0.16
(1,182)	1:468:A:GLY:HA2	1:517:A:ALA:HB3	6	0.16
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE1	7	0.16
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE2	7	0.16
(1,179)	1:468:A:GLY:HA3	1:518:A:MET:HE3	7	0.16
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG2	1	0.16
(1,150)	1:466:A:MET:HA	1:541:A:GLN:HG3	1	0.16
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG2	10	0.16
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG3	10	0.16
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG2	7	0.16
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG3	7	0.16
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG2	7	0.16
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG3	7	0.16
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG2	7	0.16
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG3	7	0.16
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB2	9	0.16
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB3	9	0.16
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB2	9	0.16
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB3	9	0.16
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB2	9	0.16
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB3	9	0.16
(1,47)	1:456:A:ILE:HD11	1:527:A:LEU:HA	4	0.16
(1,47)	1:456:A:ILE:HD12	1:527:A:LEU:HA	4	0.16
(1,47)	1:456:A:ILE:HD13	1:527:A:LEU:HA	4	0.16
(1,9)	1:459:A:PRO:HA	1:476:A:GLU:H	10	0.16
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	10	0.15
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	10	0.15
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	10	0.15
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	10	0.15
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	10	0.15
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	10	0.15
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	10	0.15
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	10	0.15
(1,2267)	1:521:A:ASP:HB2	1:522:A:ALA:H	3	0.15
(1,2267)	1:521:A:ASP:HB3	1:522:A:ALA:H	3	0.15
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG2	8	0.15
(1,2257)	1:515:A:ASN:HD21	1:516:A:GLU:HG3	8	0.15
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG2	8	0.15
(1,2257)	1:515:A:ASN:HD22	1:516:A:GLU:HG3	8	0.15
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD21	7	0.15
(1,2249)	1:514:A:ILE:HA	1:515:A:ASN:HD22	7	0.15
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	5	0.15
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	5	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD11	10	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD12	10	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD13	10	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD21	10	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD22	10	0.15
(1,2173)	1:492:A:GLU:H	1:493:A:LEU:HD23	10	0.15
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD11	1:526:A:ALA:HB3	2	0.15
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD12	1:526:A:ALA:HB3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD13	1:526:A:ALA:HB3	2	0.15
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD21	1:526:A:ALA:HB3	2	0.15
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD22	1:526:A:ALA:HB3	2	0.15
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB1	2	0.15
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB2	2	0.15
(1,2147)	1:487:A:LEU:HD23	1:526:A:ALA:HB3	2	0.15
(1,2110)	1:485:A:LYS:HE2	1:492:A:GLU:H	1	0.15
(1,2110)	1:485:A:LYS:HE3	1:492:A:GLU:H	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD11	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD12	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD13	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD21	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD22	1	0.15
(1,2104)	1:485:A:LYS:HG2	1:527:A:LEU:HD23	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD11	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD12	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD13	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD21	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD22	1	0.15
(1,2104)	1:485:A:LYS:HG3	1:527:A:LEU:HD23	1	0.15
(1,2077)	1:475:A:CYS:HB2	1:476:A:GLU:H	3	0.15
(1,2077)	1:475:A:CYS:HB3	1:476:A:GLU:H	3	0.15
(1,2064)	1:471:A:VAL:HG11	1:539:A:ILE:H	1	0.15
(1,2064)	1:471:A:VAL:HG12	1:539:A:ILE:H	1	0.15
(1,2064)	1:471:A:VAL:HG13	1:539:A:ILE:H	1	0.15
(1,2064)	1:471:A:VAL:HG21	1:539:A:ILE:H	1	0.15
(1,2064)	1:471:A:VAL:HG22	1:539:A:ILE:H	1	0.15
(1,2064)	1:471:A:VAL:HG23	1:539:A:ILE:H	1	0.15
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD11	1:466:A:MET:HG3	7	0.15
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD12	1:466:A:MET:HG3	7	0.15
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD13	1:466:A:MET:HG3	7	0.15
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD21	1:466:A:MET:HG3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD22	1:466:A:MET:HG3	7	0.15
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG2	7	0.15
(1,2001)	1:464:A:LEU:HD23	1:466:A:MET:HG3	7	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD11	1:512:A:LEU:HD23	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD12	1:512:A:LEU:HD23	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD13	1:512:A:LEU:HD23	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD21	1:512:A:LEU:HD23	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD22	1:512:A:LEU:HD23	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD11	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD12	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD13	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD21	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD22	1	0.15
(1,1973)	1:460:A:LEU:HD23	1:512:A:LEU:HD23	1	0.15
(1,1929)	1:457:A:THR:HG21	1:508:A:GLN:HE22	10	0.15
(1,1929)	1:457:A:THR:HG22	1:508:A:GLN:HE22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:457:A:THR:HG23	1:508:A:GLN:HE22	10	0.15
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	4	0.15
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	10	0.15
(1,1886)	1:527:A:LEU:HD11	1:534:A:ALA:H	8	0.15
(1,1886)	1:527:A:LEU:HD12	1:534:A:ALA:H	8	0.15
(1,1886)	1:527:A:LEU:HD13	1:534:A:ALA:H	8	0.15
(1,1881)	1:533:A:GLN:H	1:534:A:ALA:H	8	0.15
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	6	0.15
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	7	0.15
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	7	0.15
(1,1841)	1:525:A:TYR:H	1:538:A:LEU:HB2	3	0.15
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	1	0.15
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	1	0.15
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	5	0.15
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	5	0.15
(1,1770)	1:500:A:LYS:H	1:501:A:TYR:HA	9	0.15
(1,1737)	1:495:A:ARG:H	1:503:A:PHE:HZ	2	0.15
(1,1727)	1:489:A:ASP:H	1:491:A:VAL:HB	2	0.15
(1,1720)	1:485:A:LYS:H	1:486:A:TRP:HD1	10	0.15
(1,1685)	1:480:A:GLU:H	1:508:A:GLN:HE21	6	0.15
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	4	0.15
(1,1600)	1:456:A:ILE:HG21	1:457:A:THR:H	1	0.15
(1,1600)	1:456:A:ILE:HG22	1:457:A:THR:H	1	0.15
(1,1600)	1:456:A:ILE:HG23	1:457:A:THR:H	1	0.15
(1,1598)	1:457:A:THR:H	1:508:A:GLN:HE21	6	0.15
(1,1582)	1:455:A:LEU:H	1:477:A:VAL:HA	1	0.15
(1,1580)	1:525:A:TYR:H	1:536:A:ALA:H	2	0.15
(1,1579)	1:526:A:ALA:H	1:536:A:ALA:H	2	0.15
(1,1571)	1:535:A:LEU:HG	1:536:A:ALA:H	9	0.15
(1,1540)	1:468:A:GLY:HA2	1:517:A:ALA:H	3	0.15
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	2	0.15
(1,1457)	1:514:A:ILE:HA	1:516:A:GLU:H	4	0.15
(1,1447)	1:479:A:GLU:H	1:508:A:GLN:HG2	9	0.15
(1,1350)	1:456:A:ILE:HG21	1:533:A:GLN:H	6	0.15
(1,1350)	1:456:A:ILE:HG22	1:533:A:GLN:H	6	0.15
(1,1350)	1:456:A:ILE:HG23	1:533:A:GLN:H	6	0.15
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	2	0.15
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	2	0.15
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	2	0.15
(1,1341)	1:529:A:THR:HG21	1:532:A:GLY:H	5	0.15
(1,1341)	1:529:A:THR:HG22	1:532:A:GLY:H	5	0.15
(1,1341)	1:529:A:THR:HG23	1:532:A:GLY:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:478:A:SER:HB3	1:508:A:GLN:HE21	7	0.15
(1,1320)	1:478:A:SER:HB2	1:508:A:GLN:HE21	7	0.15
(1,1296)	1:501:A:TYR:H	1:501:A:TYR:HD2	2	0.15
(1,1293)	1:500:A:LYS:HD2	1:501:A:TYR:H	6	0.15
(1,1293)	1:500:A:LYS:HD3	1:501:A:TYR:H	6	0.15
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	10	0.15
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	4	0.15
(1,1195)	1:487:A:LEU:H	1:487:A:LEU:HG	2	0.15
(1,1176)	1:527:A:LEU:HD21	1:528:A:CYS:H	8	0.15
(1,1176)	1:527:A:LEU:HD22	1:528:A:CYS:H	8	0.15
(1,1176)	1:527:A:LEU:HD23	1:528:A:CYS:H	8	0.15
(1,1169)	1:485:A:LYS:H	1:528:A:CYS:H	2	0.15
(1,1132)	1:500:A:LYS:HA	1:515:A:ASN:H	10	0.15
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG2	5	0.15
(1,1130)	1:515:A:ASN:H	1:516:A:GLU:HG3	5	0.15
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	2	0.15
(1,1102)	1:519:A:LEU:HA	1:541:A:GLN:H	7	0.15
(1,1046)	1:484:A:VAL:HG21	1:486:A:TRP:HE1	7	0.15
(1,1046)	1:484:A:VAL:HG22	1:486:A:TRP:HE1	7	0.15
(1,1046)	1:484:A:VAL:HG23	1:486:A:TRP:HE1	7	0.15
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	1	0.15
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	1	0.15
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	1	0.15
(1,1034)	1:455:A:LEU:H	1:478:A:SER:HB2	7	0.15
(1,1032)	1:455:A:LEU:H	1:478:A:SER:HB3	4	0.15
(1,974)	1:499:A:PHE:HA	1:499:A:PHE:HE2	1	0.15
(1,956)	1:495:A:ARG:HB3	1:503:A:PHE:HE1	7	0.15
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	4	0.15
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	4	0.15
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	4	0.15
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	1	0.15
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	1	0.15
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	1	0.15
(1,743)	1:473:A:PHE:HZ	1:525:A:TYR:HB3	9	0.15
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	8	0.15
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	8	0.15
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	8	0.15
(1,687)	1:518:A:MET:HG3	1:520:A:GLU:H	4	0.15
(1,559)	1:486:A:TRP:HZ2	1:511:A:HIS:HA	1	0.15
(1,534)	1:507:A:GLY:HA2	1:508:A:GLN:HG2	7	0.15
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB1	8	0.15
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:487:A:LEU:HB2	1:526:A:ALA:HB3	8	0.15
(1,517)	1:526:A:ALA:HB1	1:527:A:LEU:H	5	0.15
(1,517)	1:526:A:ALA:HB2	1:527:A:LEU:H	5	0.15
(1,517)	1:526:A:ALA:HB3	1:527:A:LEU:H	5	0.15
(1,517)	1:526:A:ALA:HB1	1:527:A:LEU:H	10	0.15
(1,517)	1:526:A:ALA:HB2	1:527:A:LEU:H	10	0.15
(1,517)	1:526:A:ALA:HB3	1:527:A:LEU:H	10	0.15
(1,516)	1:505:A:LYS:HE2	1:506:A:ASP:H	2	0.15
(1,516)	1:505:A:LYS:HE3	1:506:A:ASP:H	2	0.15
(1,501)	1:503:A:PHE:HA	1:504:A:LYS:HB2	1	0.15
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD2	8	0.15
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD3	8	0.15
(1,480)	1:500:A:LYS:HE3	1:501:A:TYR:HE1	2	0.15
(1,475)	1:504:A:LYS:HE2	1:513:A:ILE:HG21	10	0.15
(1,475)	1:504:A:LYS:HE2	1:513:A:ILE:HG22	10	0.15
(1,475)	1:504:A:LYS:HE2	1:513:A:ILE:HG23	10	0.15
(1,475)	1:504:A:LYS:HE3	1:513:A:ILE:HG21	10	0.15
(1,475)	1:504:A:LYS:HE3	1:513:A:ILE:HG22	10	0.15
(1,475)	1:504:A:LYS:HE3	1:513:A:ILE:HG23	10	0.15
(1,432)	1:494:A:THR:HA	1:495:A:ARG:HB3	5	0.15
(1,261)	1:475:A:CYS:HA	1:476:A:GLU:HG2	7	0.15
(1,259)	1:458:A:ARG:H	1:476:A:GLU:HB3	4	0.15
(1,242)	1:473:A:PHE:HA	1:486:A:TRP:HH2	2	0.15
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE1	4	0.15
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE2	4	0.15
(1,140)	1:465:A:VAL:HG21	1:466:A:MET:HE3	4	0.15
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE1	4	0.15
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE2	4	0.15
(1,140)	1:465:A:VAL:HG22	1:466:A:MET:HE3	4	0.15
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE1	4	0.15
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE2	4	0.15
(1,140)	1:465:A:VAL:HG23	1:466:A:MET:HE3	4	0.15
(1,127)	1:464:A:LEU:H	1:465:A:VAL:HG11	6	0.15
(1,127)	1:464:A:LEU:H	1:465:A:VAL:HG12	6	0.15
(1,127)	1:464:A:LEU:H	1:465:A:VAL:HG13	6	0.15
(1,74)	1:457:A:THR:HG21	1:477:A:VAL:HB	4	0.15
(1,74)	1:457:A:THR:HG22	1:477:A:VAL:HB	4	0.15
(1,74)	1:457:A:THR:HG23	1:477:A:VAL:HB	4	0.15
(1,68)	1:457:A:THR:HA	1:457:A:THR:HB	7	0.15
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG2	1	0.15
(1,59)	1:456:A:ILE:HG21	1:458:A:ARG:HG3	1	0.15
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:456:A:ILE:HG22	1:458:A:ARG:HG3	1	0.15
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG2	1	0.15
(1,59)	1:456:A:ILE:HG23	1:458:A:ARG:HG3	1	0.15
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD11	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD12	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD13	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD21	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD22	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD23	9	0.14
(1,2267)	1:521:A:ASP:HB2	1:522:A:ALA:H	1	0.14
(1,2267)	1:521:A:ASP:HB3	1:522:A:ALA:H	1	0.14
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD11	1:514:A:ILE:HD13	8	0.14
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD12	1:514:A:ILE:HD13	8	0.14
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD13	1:514:A:ILE:HD13	8	0.14
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD21	1:514:A:ILE:HD13	8	0.14
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD22	1:514:A:ILE:HD13	8	0.14
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD11	8	0.14
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD12	8	0.14
(1,2246)	1:512:A:LEU:HD23	1:514:A:ILE:HD13	8	0.14
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD2	10	0.14
(1,2210)	1:503:A:PHE:H	1:504:A:LYS:HD3	10	0.14
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB2	3	0.14
(1,2190)	1:498:A:THR:H	1:499:A:PHE:HB3	3	0.14
(1,2178)	1:493:A:LEU:HD11	1:494:A:THR:H	4	0.14
(1,2178)	1:493:A:LEU:HD12	1:494:A:THR:H	4	0.14
(1,2178)	1:493:A:LEU:HD13	1:494:A:THR:H	4	0.14
(1,2178)	1:493:A:LEU:HD21	1:494:A:THR:H	4	0.14
(1,2178)	1:493:A:LEU:HD22	1:494:A:THR:H	4	0.14
(1,2178)	1:493:A:LEU:HD23	1:494:A:THR:H	4	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	10	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	10	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	10	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	10	0.14
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	10	0.14
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB1	9	0.14
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB2	9	0.14
(1,2083)	1:475:A:CYS:HB2	1:534:A:ALA:HB3	9	0.14
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB1	9	0.14
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB2	9	0.14
(1,2083)	1:475:A:CYS:HB3	1:534:A:ALA:HB3	9	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD11	7	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD12	7	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD13	7	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD21	7	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD22	7	0.14
(1,2071)	1:473:A:PHE:HZ	1:512:A:LEU:HD23	7	0.14
(1,2022)	1:466:A:MET:HG2	1:540:A:VAL:HA	5	0.14
(1,2022)	1:466:A:MET:HG3	1:540:A:VAL:HA	5	0.14
(1,2005)	1:464:A:LEU:HD11	1:540:A:VAL:HA	3	0.14
(1,2005)	1:464:A:LEU:HD12	1:540:A:VAL:HA	3	0.14
(1,2005)	1:464:A:LEU:HD13	1:540:A:VAL:HA	3	0.14
(1,2005)	1:464:A:LEU:HD21	1:540:A:VAL:HA	3	0.14
(1,2005)	1:464:A:LEU:HD22	1:540:A:VAL:HA	3	0.14
(1,2005)	1:464:A:LEU:HD23	1:540:A:VAL:HA	3	0.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD11	1:466:A:MET:HE3	1	0.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD12	1:466:A:MET:HE3	1	0.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD13	1:466:A:MET:HE3	1	0.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD21	1:466:A:MET:HE3	1	0.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD22	1:466:A:MET:HE3	1	0.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE1	1	0.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE2	1	0.14
(1,2002)	1:464:A:LEU:HD23	1:466:A:MET:HE3	1	0.14
(1,1815)	1:501:A:TYR:HD2	1:514:A:ILE:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:476:A:GLU:HB3	1:508:A:GLN:HE22	8	0.14
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	10	0.14
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	10	0.14
(1,1788)	1:504:A:LYS:H	1:504:A:LYS:HE2	3	0.14
(1,1788)	1:504:A:LYS:H	1:504:A:LYS:HE3	3	0.14
(1,1784)	1:488:A:LYS:H	1:490:A:GLY:HA2	9	0.14
(1,1770)	1:500:A:LYS:H	1:501:A:TYR:HA	10	0.14
(1,1738)	1:495:A:ARG:H	1:503:A:PHE:HE1	5	0.14
(1,1736)	1:494:A:THR:H	1:495:A:ARG:HA	5	0.14
(1,1715)	1:484:A:VAL:HB	1:485:A:LYS:H	3	0.14
(1,1715)	1:484:A:VAL:HB	1:485:A:LYS:H	9	0.14
(1,1705)	1:482:A:ALA:H	1:508:A:GLN:HG2	2	0.14
(1,1695)	1:513:A:ILE:H	1:513:A:ILE:HB	2	0.14
(1,1671)	1:457:A:THR:HG21	1:476:A:GLU:H	1	0.14
(1,1671)	1:457:A:THR:HG22	1:476:A:GLU:H	1	0.14
(1,1671)	1:457:A:THR:HG23	1:476:A:GLU:H	1	0.14
(1,1555)	1:539:A:ILE:HG13	1:540:A:VAL:H	10	0.14
(1,1544)	1:514:A:ILE:HG21	1:517:A:ALA:H	10	0.14
(1,1544)	1:514:A:ILE:HG22	1:517:A:ALA:H	10	0.14
(1,1544)	1:514:A:ILE:HG23	1:517:A:ALA:H	10	0.14
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	2	0.14
(1,1504)	1:469:A:GLN:HA	1:469:A:GLN:HE22	10	0.14
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB1	2	0.14
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB2	2	0.14
(1,1476)	1:460:A:LEU:H	1:534:A:ALA:HB3	2	0.14
(1,1446)	1:477:A:VAL:HB	1:479:A:GLU:H	7	0.14
(1,1432)	1:473:A:PHE:HB2	1:474:A:GLU:H	8	0.14
(1,1432)	1:473:A:PHE:HB3	1:474:A:GLU:H	8	0.14
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	9	0.14
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	1	0.14
(1,1281)	1:493:A:LEU:HB2	1:494:A:THR:H	8	0.14
(1,1262)	1:468:A:GLY:H	1:517:A:ALA:HB1	1	0.14
(1,1262)	1:468:A:GLY:H	1:517:A:ALA:HB2	1	0.14
(1,1262)	1:468:A:GLY:H	1:517:A:ALA:HB3	1	0.14
(1,1256)	1:504:A:LYS:H	1:511:A:HIS:H	8	0.14
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	7	0.14
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	1	0.14
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	1	0.14
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	1	0.14
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	7	0.14
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	5	0.14
(1,1072)	1:487:A:LEU:H	1:493:A:LEU:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1009)	1:539:A:ILE:H	1:540:A:VAL:H	8	0.14
(1,1007)	1:464:A:LEU:H	1:539:A:ILE:H	8	0.14
(1,1003)	1:473:A:PHE:HE1	1:538:A:LEU:HG	1	0.14
(1,1003)	1:473:A:PHE:HE2	1:538:A:LEU:HG	1	0.14
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	2	0.14
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	8	0.14
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	8	0.14
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	8	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD11	1	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD12	1	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD13	1	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD11	9	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD12	9	0.14
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD13	9	0.14
(1,877)	1:464:A:LEU:HG	1:539:A:ILE:HB	8	0.14
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	5	0.14
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	6	0.14
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	9	0.14
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	9	0.14
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	9	0.14
(1,771)	1:527:A:LEU:HD21	1:529:A:THR:HA	3	0.14
(1,771)	1:527:A:LEU:HD22	1:529:A:THR:HA	3	0.14
(1,771)	1:527:A:LEU:HD23	1:529:A:THR:HA	3	0.14
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	7	0.14
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	7	0.14
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	7	0.14
(1,728)	1:522:A:ALA:HB1	1:539:A:ILE:HA	2	0.14
(1,728)	1:522:A:ALA:HB2	1:539:A:ILE:HA	2	0.14
(1,728)	1:522:A:ALA:HB3	1:539:A:ILE:HA	2	0.14
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD21	7	0.14
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD22	7	0.14
(1,697)	1:467:A:VAL:HB	1:519:A:LEU:HD23	7	0.14
(1,645)	1:514:A:ILE:HG21	1:515:A:ASN:HB2	2	0.14
(1,645)	1:514:A:ILE:HG21	1:515:A:ASN:HB3	2	0.14
(1,645)	1:514:A:ILE:HG22	1:515:A:ASN:HB2	2	0.14
(1,645)	1:514:A:ILE:HG22	1:515:A:ASN:HB3	2	0.14
(1,645)	1:514:A:ILE:HG23	1:515:A:ASN:HB2	2	0.14
(1,645)	1:514:A:ILE:HG23	1:515:A:ASN:HB3	2	0.14
(1,640)	1:514:A:ILE:HG21	1:518:A:MET:H	7	0.14
(1,640)	1:514:A:ILE:HG22	1:518:A:MET:H	7	0.14
(1,640)	1:514:A:ILE:HG23	1:518:A:MET:H	7	0.14
(1,604)	1:502:A:ARG:HB2	1:513:A:ILE:HG21	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:502:A:ARG:HB2	1:513:A:ILE:HG22	10	0.14
(1,604)	1:502:A:ARG:HB2	1:513:A:ILE:HG23	10	0.14
(1,604)	1:502:A:ARG:HB3	1:513:A:ILE:HG21	10	0.14
(1,604)	1:502:A:ARG:HB3	1:513:A:ILE:HG22	10	0.14
(1,604)	1:502:A:ARG:HB3	1:513:A:ILE:HG23	10	0.14
(1,501)	1:503:A:PHE:HA	1:504:A:LYS:HB2	7	0.14
(1,451)	1:498:A:THR:HA	1:498:A:THR:HB	5	0.14
(1,451)	1:498:A:THR:HA	1:498:A:THR:HB	10	0.14
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG2	10	0.14
(1,437)	1:496:A:GLU:HA	1:496:A:GLU:HG3	10	0.14
(1,434)	1:494:A:THR:HG21	1:496:A:GLU:HA	2	0.14
(1,434)	1:494:A:THR:HG22	1:496:A:GLU:HA	2	0.14
(1,434)	1:494:A:THR:HG23	1:496:A:GLU:HA	2	0.14
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD21	4	0.14
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD22	4	0.14
(1,381)	1:486:A:TRP:HA	1:487:A:LEU:HD23	4	0.14
(1,308)	1:480:A:GLU:HB3	1:508:A:GLN:HE21	6	0.14
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	7	0.14
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	7	0.14
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	7	0.14
(1,268)	1:456:A:ILE:HB	1:477:A:VAL:HA	10	0.14
(1,258)	1:476:A:GLU:HA	1:510:A:HIS:HD2	5	0.14
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	5	0.14
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	5	0.14
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	5	0.14
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD11	3	0.14
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD12	3	0.14
(1,226)	1:466:A:MET:HA	1:519:A:LEU:HD13	3	0.14
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG21	2	0.14
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG22	2	0.14
(1,222)	1:456:A:ILE:HG12	1:529:A:THR:HG23	2	0.14
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG2	5	0.14
(1,178)	1:468:A:GLY:HA3	1:516:A:GLU:HG3	5	0.14
(1,156)	1:516:A:GLU:HA	1:518:A:MET:HG2	2	0.14
(1,142)	1:465:A:VAL:HG21	1:471:A:VAL:HB	7	0.14
(1,142)	1:465:A:VAL:HG22	1:471:A:VAL:HB	7	0.14
(1,142)	1:465:A:VAL:HG23	1:471:A:VAL:HB	7	0.14
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	9	0.14
(1,67)	1:456:A:ILE:HG21	1:460:A:LEU:H	8	0.14
(1,67)	1:456:A:ILE:HG22	1:460:A:LEU:H	8	0.14
(1,67)	1:456:A:ILE:HG23	1:460:A:LEU:H	8	0.14
(1,67)	1:456:A:ILE:HG21	1:460:A:LEU:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:456:A:ILE:HG22	1:460:A:LEU:H	9	0.14
(1,67)	1:456:A:ILE:HG23	1:460:A:LEU:H	9	0.14
(1,12)	1:453:A:PRO:HG2	1:454:A:VAL:H	9	0.14
(1,12)	1:453:A:PRO:HG3	1:454:A:VAL:H	9	0.14
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD11	3	0.13
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD12	3	0.13
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD13	3	0.13
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD21	3	0.13
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD22	3	0.13
(1,2280)	1:525:A:TYR:H	1:535:A:LEU:HD23	3	0.13
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD21	3	0.13
(1,2253)	1:515:A:ASN:H	1:515:A:ASN:HD22	3	0.13
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	9	0.13
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	9	0.13
(1,2197)	1:500:A:LYS:HA	1:515:A:ASN:HD21	2	0.13
(1,2197)	1:500:A:LYS:HA	1:515:A:ASN:HD22	2	0.13
(1,2191)	1:498:A:THR:HA	1:499:A:PHE:HB2	6	0.13
(1,2191)	1:498:A:THR:HA	1:499:A:PHE:HB3	6	0.13
(1,2180)	1:493:A:LEU:HD11	1:501:A:TYR:HE1	2	0.13
(1,2180)	1:493:A:LEU:HD12	1:501:A:TYR:HE1	2	0.13
(1,2180)	1:493:A:LEU:HD13	1:501:A:TYR:HE1	2	0.13
(1,2180)	1:493:A:LEU:HD21	1:501:A:TYR:HE1	2	0.13
(1,2180)	1:493:A:LEU:HD22	1:501:A:TYR:HE1	2	0.13
(1,2180)	1:493:A:LEU:HD23	1:501:A:TYR:HE1	2	0.13
(1,2179)	1:493:A:LEU:HD11	1:501:A:TYR:HD1	7	0.13
(1,2179)	1:493:A:LEU:HD12	1:501:A:TYR:HD1	7	0.13
(1,2179)	1:493:A:LEU:HD13	1:501:A:TYR:HD1	7	0.13
(1,2179)	1:493:A:LEU:HD21	1:501:A:TYR:HD1	7	0.13
(1,2179)	1:493:A:LEU:HD22	1:501:A:TYR:HD1	7	0.13
(1,2179)	1:493:A:LEU:HD23	1:501:A:TYR:HD1	7	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	8	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	8	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	8	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	8	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	8	0.13
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	8	0.13
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA2	5	0.13
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA2	5	0.13
(1,2162)	1:488:A:LYS:HE2	1:523:A:GLY:HA3	5	0.13
(1,2162)	1:488:A:LYS:HE3	1:523:A:GLY:HA3	5	0.13
(1,2148)	1:487:A:LEU:HD11	1:527:A:LEU:HA	4	0.13
(1,2148)	1:487:A:LEU:HD12	1:527:A:LEU:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:487:A:LEU:HD13	1:527:A:LEU:HA	4	0.13
(1,2148)	1:487:A:LEU:HD21	1:527:A:LEU:HA	4	0.13
(1,2148)	1:487:A:LEU:HD22	1:527:A:LEU:HA	4	0.13
(1,2148)	1:487:A:LEU:HD23	1:527:A:LEU:HA	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD11	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD12	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD13	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD21	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD22	4	0.13
(1,2118)	1:486:A:TRP:HB2	1:512:A:LEU:HD23	4	0.13
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB2	8	0.13
(1,2086)	1:477:A:VAL:HA	1:478:A:SER:HB3	8	0.13
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	1	0.13
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	1	0.13
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	1	0.13
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	1	0.13
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	1	0.13
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	1	0.13
(1,2028)	1:467:A:VAL:H	1:542:A:GLU:HG2	7	0.13
(1,2028)	1:467:A:VAL:H	1:542:A:GLU:HG3	7	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG11	1	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG12	1	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG13	1	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG21	1	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG22	1	0.13
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG23	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG11	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG12	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG13	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG21	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG22	1	0.13
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG23	1	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG11	4	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG12	4	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG13	4	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG21	4	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG22	4	0.13
(1,2012)	1:465:A:VAL:HB	1:471:A:VAL:HG23	4	0.13
(1,1985)	1:460:A:LEU:HD11	1:535:A:LEU:HA	4	0.13
(1,1985)	1:460:A:LEU:HD12	1:535:A:LEU:HA	4	0.13
(1,1985)	1:460:A:LEU:HD13	1:535:A:LEU:HA	4	0.13
(1,1985)	1:460:A:LEU:HD21	1:535:A:LEU:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:460:A:LEU:HD22	1:535:A:LEU:HA	4	0.13
(1,1985)	1:460:A:LEU:HD23	1:535:A:LEU:HA	4	0.13
(1,1966)	1:460:A:LEU:HD11	1:475:A:CYS:H	7	0.13
(1,1966)	1:460:A:LEU:HD12	1:475:A:CYS:H	7	0.13
(1,1966)	1:460:A:LEU:HD13	1:475:A:CYS:H	7	0.13
(1,1966)	1:460:A:LEU:HD21	1:475:A:CYS:H	7	0.13
(1,1966)	1:460:A:LEU:HD22	1:475:A:CYS:H	7	0.13
(1,1966)	1:460:A:LEU:HD23	1:475:A:CYS:H	7	0.13
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	1	0.13
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	1	0.13
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	1	0.13
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	1	0.13
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	1	0.13
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	1	0.13
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG2	2	0.13
(1,1894)	1:539:A:ILE:H	1:541:A:GLN:HG3	2	0.13
(1,1856)	1:527:A:LEU:H	1:534:A:ALA:HA	9	0.13
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	5	0.13
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	5	0.13
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	1	0.13
(1,1774)	1:500:A:LYS:H	1:501:A:TYR:HB2	7	0.13
(1,1743)	1:495:A:ARG:H	1:495:A:ARG:HG2	2	0.13
(1,1732)	1:491:A:VAL:H	1:492:A:GLU:H	3	0.13
(1,1729)	1:489:A:ASP:H	1:525:A:TYR:H	5	0.13
(1,1678)	1:477:A:VAL:H	1:478:A:SER:HA	7	0.13
(1,1570)	1:460:A:LEU:HB2	1:536:A:ALA:H	5	0.13
(1,1570)	1:460:A:LEU:HB3	1:536:A:ALA:H	5	0.13
(1,1570)	1:460:A:LEU:HB2	1:536:A:ALA:H	6	0.13
(1,1570)	1:460:A:LEU:HB3	1:536:A:ALA:H	6	0.13
(1,1543)	1:467:A:VAL:HA	1:517:A:ALA:H	4	0.13
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD2	8	0.13
(1,1535)	1:506:A:ASP:H	1:509:A:ARG:HD3	8	0.13
(1,1483)	1:497:A:GLU:HG2	1:498:A:THR:H	10	0.13
(1,1483)	1:497:A:GLU:HG3	1:498:A:THR:H	10	0.13
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	5	0.13
(1,1432)	1:473:A:PHE:HB2	1:474:A:GLU:H	2	0.13
(1,1432)	1:473:A:PHE:HB3	1:474:A:GLU:H	2	0.13
(1,1432)	1:473:A:PHE:HB2	1:474:A:GLU:H	5	0.13
(1,1432)	1:473:A:PHE:HB3	1:474:A:GLU:H	5	0.13
(1,1417)	1:486:A:TRP:HZ2	1:510:A:HIS:H	9	0.13
(1,1382)	1:457:A:THR:HG21	1:458:A:ARG:H	5	0.13
(1,1382)	1:457:A:THR:HG22	1:458:A:ARG:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:457:A:THR:HG23	1:458:A:ARG:H	5	0.13
(1,1379)	1:470:A:ARG:H	1:470:A:ARG:HB2	8	0.13
(1,1379)	1:470:A:ARG:H	1:470:A:ARG:HB3	8	0.13
(1,1375)	1:470:A:ARG:H	1:515:A:ASN:HA	2	0.13
(1,1355)	1:520:A:GLU:HA	1:521:A:ASP:H	2	0.13
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	2	0.13
(1,1256)	1:504:A:LYS:H	1:511:A:HIS:H	7	0.13
(1,1250)	1:505:A:LYS:HA	1:511:A:HIS:H	6	0.13
(1,1246)	1:503:A:PHE:HB3	1:511:A:HIS:H	7	0.13
(1,1240)	1:484:A:VAL:H	1:510:A:HIS:HE1	5	0.13
(1,1230)	1:466:A:MET:H	1:469:A:GLN:H	1	0.13
(1,1165)	1:487:A:LEU:HA	1:491:A:VAL:H	1	0.13
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	6	0.13
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	6	0.13
(1,1118)	1:511:A:HIS:HB3	1:512:A:LEU:H	1	0.13
(1,1118)	1:511:A:HIS:HB2	1:512:A:LEU:H	1	0.13
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	5	0.13
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	6	0.13
(1,1112)	1:486:A:TRP:HH2	1:512:A:LEU:H	1	0.13
(1,1022)	1:489:A:ASP:H	1:525:A:TYR:HA	4	0.13
(1,1009)	1:539:A:ILE:H	1:540:A:VAL:H	7	0.13
(1,969)	1:486:A:TRP:HB3	1:486:A:TRP:HZ3	5	0.13
(1,946)	1:495:A:ARG:H	1:496:A:GLU:HA	9	0.13
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG21	10	0.13
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG22	10	0.13
(1,929)	1:519:A:LEU:HA	1:540:A:VAL:HG23	10	0.13
(1,919)	1:519:A:LEU:HD21	1:540:A:VAL:HG21	9	0.13
(1,919)	1:519:A:LEU:HD21	1:540:A:VAL:HG22	9	0.13
(1,919)	1:519:A:LEU:HD21	1:540:A:VAL:HG23	9	0.13
(1,919)	1:519:A:LEU:HD22	1:540:A:VAL:HG21	9	0.13
(1,919)	1:519:A:LEU:HD22	1:540:A:VAL:HG22	9	0.13
(1,919)	1:519:A:LEU:HD22	1:540:A:VAL:HG23	9	0.13
(1,919)	1:519:A:LEU:HD23	1:540:A:VAL:HG21	9	0.13
(1,919)	1:519:A:LEU:HD23	1:540:A:VAL:HG22	9	0.13
(1,919)	1:519:A:LEU:HD23	1:540:A:VAL:HG23	9	0.13
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD11	5	0.13
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD12	5	0.13
(1,883)	1:539:A:ILE:HA	1:539:A:ILE:HD13	5	0.13
(1,865)	1:463:A:GLN:HE21	1:538:A:LEU:HA	2	0.13
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD11	7	0.13
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD12	7	0.13
(1,841)	1:522:A:ALA:HA	1:538:A:LEU:HD13	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB1	8	0.13
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB2	8	0.13
(1,827)	1:460:A:LEU:HA	1:534:A:ALA:HB3	8	0.13
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	10	0.13
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	10	0.13
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	10	0.13
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	5	0.13
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	5	0.13
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	5	0.13
(1,752)	1:485:A:LYS:H	1:527:A:LEU:HA	5	0.13
(1,752)	1:485:A:LYS:H	1:527:A:LEU:HA	8	0.13
(1,750)	1:526:A:ALA:HA	1:534:A:ALA:H	5	0.13
(1,750)	1:526:A:ALA:HA	1:534:A:ALA:H	6	0.13
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG2	5	0.13
(1,727)	1:522:A:ALA:HB1	1:541:A:GLN:HG3	5	0.13
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG2	5	0.13
(1,727)	1:522:A:ALA:HB2	1:541:A:GLN:HG3	5	0.13
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG2	5	0.13
(1,727)	1:522:A:ALA:HB3	1:541:A:GLN:HG3	5	0.13
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	2	0.13
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	2	0.13
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	2	0.13
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	1	0.13
(1,521)	1:526:A:ALA:HB1	1:534:A:ALA:H	8	0.13
(1,521)	1:526:A:ALA:HB2	1:534:A:ALA:H	8	0.13
(1,521)	1:526:A:ALA:HB3	1:534:A:ALA:H	8	0.13
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD2	1	0.13
(1,496)	1:476:A:GLU:HA	1:509:A:ARG:HD3	1	0.13
(1,470)	1:500:A:LYS:HD2	1:501:A:TYR:HE2	9	0.13
(1,470)	1:500:A:LYS:HD3	1:501:A:TYR:HE2	9	0.13
(1,451)	1:498:A:THR:HA	1:498:A:THR:HB	3	0.13
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG2	6	0.13
(1,340)	1:484:A:VAL:HG21	1:485:A:LYS:HG3	6	0.13
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG2	6	0.13
(1,340)	1:484:A:VAL:HG22	1:485:A:LYS:HG3	6	0.13
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG2	6	0.13
(1,340)	1:484:A:VAL:HG23	1:485:A:LYS:HG3	6	0.13
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	1	0.13
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	2	0.13
(1,309)	1:520:A:GLU:HG3	1:521:A:ASP:H	4	0.13
(1,298)	1:477:A:VAL:HB	1:478:A:SER:HA	3	0.13
(1,272)	1:456:A:ILE:H	1:477:A:VAL:HB	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:476:A:GLU:HB2	1:477:A:VAL:HA	2	0.13
(1,269)	1:476:A:GLU:HB2	1:477:A:VAL:HA	6	0.13
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	7	0.13
(1,246)	1:473:A:PHE:HB3	1:512:A:LEU:HB3	1	0.13
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	2	0.13
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	2	0.13
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	2	0.13
(1,229)	1:471:A:VAL:HG21	1:473:A:PHE:HD1	3	0.13
(1,229)	1:471:A:VAL:HG22	1:473:A:PHE:HD1	3	0.13
(1,229)	1:471:A:VAL:HG23	1:473:A:PHE:HD1	3	0.13
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB1	9	0.13
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB2	9	0.13
(1,213)	1:471:A:VAL:HA	1:517:A:ALA:HB3	9	0.13
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG21	5	0.13
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG22	5	0.13
(1,198)	1:502:A:ARG:HD2	1:513:A:ILE:HG23	5	0.13
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG21	5	0.13
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG22	5	0.13
(1,198)	1:502:A:ARG:HD3	1:513:A:ILE:HG23	5	0.13
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB1	3	0.13
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB2	3	0.13
(1,187)	1:469:A:GLN:HG2	1:517:A:ALA:HB3	3	0.13
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB1	3	0.13
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB2	3	0.13
(1,187)	1:469:A:GLN:HG3	1:517:A:ALA:HB3	3	0.13
(1,149)	1:466:A:MET:HA	1:469:A:GLN:HB3	7	0.13
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB1	2	0.13
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB2	2	0.13
(1,143)	1:465:A:VAL:HG21	1:522:A:ALA:HB3	2	0.13
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB1	2	0.13
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB2	2	0.13
(1,143)	1:465:A:VAL:HG22	1:522:A:ALA:HB3	2	0.13
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB1	2	0.13
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB2	2	0.13
(1,143)	1:465:A:VAL:HG23	1:522:A:ALA:HB3	2	0.13
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	10	0.13
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	10	0.13
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	10	0.13
(1,126)	1:465:A:VAL:HG11	1:469:A:GLN:H	10	0.13
(1,126)	1:465:A:VAL:HG12	1:469:A:GLN:H	10	0.13
(1,126)	1:465:A:VAL:HG13	1:469:A:GLN:H	10	0.13
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:463:A:GLN:HA	1:463:A:GLN:HG3	6	0.13
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	10	0.13
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	10	0.13
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	10	0.13
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	5	0.12
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	5	0.12
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	9	0.12
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	9	0.12
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	9	0.12
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	9	0.12
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	9	0.12
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	9	0.12
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	9	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	5	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	5	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	5	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	5	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	5	0.12
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	5	0.12
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	5	0.12
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	4	0.12
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	4	0.12
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	4	0.12
(1,2141)	1:487:A:LEU:HD11	1:492:A:GLU:H	9	0.12
(1,2141)	1:487:A:LEU:HD12	1:492:A:GLU:H	9	0.12
(1,2141)	1:487:A:LEU:HD13	1:492:A:GLU:H	9	0.12
(1,2141)	1:487:A:LEU:HD21	1:492:A:GLU:H	9	0.12
(1,2141)	1:487:A:LEU:HD22	1:492:A:GLU:H	9	0.12
(1,2141)	1:487:A:LEU:HD23	1:492:A:GLU:H	9	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD11	5	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD12	5	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD13	5	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD21	5	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD22	5	0.12
(1,2131)	1:487:A:LEU:H	1:512:A:LEU:HD23	5	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD11	6	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD12	6	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD13	6	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD21	6	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD22	6	0.12
(1,2076)	1:475:A:CYS:H	1:527:A:LEU:HD23	6	0.12
(1,2032)	1:467:A:VAL:HG11	1:516:A:GLU:HA	3	0.12
(1,2032)	1:467:A:VAL:HG12	1:516:A:GLU:HA	3	0.12
(1,2032)	1:467:A:VAL:HG13	1:516:A:GLU:HA	3	0.12
(1,2032)	1:467:A:VAL:HG21	1:516:A:GLU:HA	3	0.12
(1,2032)	1:467:A:VAL:HG22	1:516:A:GLU:HA	3	0.12
(1,2032)	1:467:A:VAL:HG23	1:516:A:GLU:HA	3	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG11	10	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG12	10	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG13	10	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG21	10	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG22	10	0.12
(1,2020)	1:466:A:MET:HG2	1:467:A:VAL:HG23	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG11	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG12	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG13	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG21	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG22	10	0.12
(1,2020)	1:466:A:MET:HG3	1:467:A:VAL:HG23	10	0.12
(1,1974)	1:460:A:LEU:HD11	1:525:A:TYR:HA	5	0.12
(1,1974)	1:460:A:LEU:HD12	1:525:A:TYR:HA	5	0.12
(1,1974)	1:460:A:LEU:HD13	1:525:A:TYR:HA	5	0.12
(1,1974)	1:460:A:LEU:HD21	1:525:A:TYR:HA	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:460:A:LEU:HD22	1:525:A:TYR:HA	5	0.12
(1,1974)	1:460:A:LEU:HD23	1:525:A:TYR:HA	5	0.12
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB2	3	0.12
(1,1955)	1:460:A:LEU:H	1:475:A:CYS:HB3	3	0.12
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	5	0.12
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	8	0.12
(1,1916)	1:466:A:MET:HE1	1:541:A:GLN:HE22	5	0.12
(1,1916)	1:466:A:MET:HE2	1:541:A:GLN:HE22	5	0.12
(1,1916)	1:466:A:MET:HE3	1:541:A:GLN:HE22	5	0.12
(1,1874)	1:456:A:ILE:HG12	1:532:A:GLY:H	1	0.12
(1,1873)	1:455:A:LEU:HB2	1:532:A:GLY:H	2	0.12
(1,1873)	1:455:A:LEU:HB3	1:532:A:GLY:H	2	0.12
(1,1820)	1:470:A:ARG:HA	1:515:A:ASN:H	2	0.12
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD2	8	0.12
(1,1800)	1:508:A:GLN:H	1:509:A:ARG:HD3	8	0.12
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	4	0.12
(1,1797)	1:470:A:ARG:HD2	1:471:A:VAL:H	5	0.12
(1,1797)	1:470:A:ARG:HD3	1:471:A:VAL:H	5	0.12
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	4	0.12
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	4	0.12
(1,1745)	1:494:A:THR:HG21	1:496:A:GLU:H	6	0.12
(1,1745)	1:494:A:THR:HG22	1:496:A:GLU:H	6	0.12
(1,1745)	1:494:A:THR:HG23	1:496:A:GLU:H	6	0.12
(1,1736)	1:494:A:THR:H	1:495:A:ARG:HA	2	0.12
(1,1736)	1:494:A:THR:H	1:495:A:ARG:HA	6	0.12
(1,1711)	1:482:A:ALA:HB1	1:483:A:GLN:H	5	0.12
(1,1711)	1:482:A:ALA:HB2	1:483:A:GLN:H	5	0.12
(1,1711)	1:482:A:ALA:HB3	1:483:A:GLN:H	5	0.12
(1,1676)	1:476:A:GLU:HG2	1:477:A:VAL:H	7	0.12
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE2	1	0.12
(1,1636)	1:467:A:VAL:H	1:543:A:LYS:HE3	1	0.12
(1,1629)	1:467:A:VAL:H	1:540:A:VAL:HA	3	0.12
(1,1622)	1:488:A:LYS:H	1:491:A:VAL:HA	5	0.12
(1,1580)	1:525:A:TYR:H	1:536:A:ALA:H	4	0.12
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	9	0.12
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	10	0.12
(1,1549)	1:517:A:ALA:H	1:518:A:MET:HG2	10	0.12
(1,1531)	1:506:A:ASP:H	1:510:A:HIS:HA	10	0.12
(1,1494)	1:465:A:VAL:HA	1:469:A:GLN:HE21	2	0.12
(1,1466)	1:530:A:SER:H	1:531:A:GLY:HA3	6	0.12
(1,1458)	1:470:A:ARG:HA	1:516:A:GLU:H	2	0.12
(1,1432)	1:473:A:PHE:HB2	1:474:A:GLU:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:473:A:PHE:HB3	1:474:A:GLU:H	10	0.12
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	6	0.12
(1,1397)	1:477:A:VAL:HG21	1:510:A:HIS:H	9	0.12
(1,1397)	1:477:A:VAL:HG22	1:510:A:HIS:H	9	0.12
(1,1397)	1:477:A:VAL:HG23	1:510:A:HIS:H	9	0.12
(1,1397)	1:477:A:VAL:HG11	1:510:A:HIS:H	9	0.12
(1,1397)	1:477:A:VAL:HG12	1:510:A:HIS:H	9	0.12
(1,1397)	1:477:A:VAL:HG13	1:510:A:HIS:H	9	0.12
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	6	0.12
(1,1355)	1:520:A:GLU:HA	1:521:A:ASP:H	5	0.12
(1,1343)	1:529:A:THR:H	1:532:A:GLY:H	5	0.12
(1,1323)	1:508:A:GLN:HG2	1:508:A:GLN:HE22	4	0.12
(1,1315)	1:478:A:SER:HB3	1:508:A:GLN:HE22	1	0.12
(1,1199)	1:487:A:LEU:H	1:526:A:ALA:H	6	0.12
(1,1189)	1:486:A:TRP:HB3	1:487:A:LEU:H	10	0.12
(1,1177)	1:484:A:VAL:HG11	1:528:A:CYS:H	3	0.12
(1,1177)	1:484:A:VAL:HG12	1:528:A:CYS:H	3	0.12
(1,1177)	1:484:A:VAL:HG13	1:528:A:CYS:H	3	0.12
(1,1161)	1:488:A:LYS:HB2	1:491:A:VAL:H	4	0.12
(1,1139)	1:514:A:ILE:H	1:515:A:ASN:H	4	0.12
(1,1132)	1:500:A:LYS:HA	1:515:A:ASN:H	5	0.12
(1,1115)	1:473:A:PHE:HA	1:512:A:LEU:H	8	0.12
(1,1107)	1:473:A:PHE:H	1:511:A:HIS:HA	3	0.12
(1,1104)	1:522:A:ALA:HB1	1:541:A:GLN:H	8	0.12
(1,1104)	1:522:A:ALA:HB2	1:541:A:GLN:H	8	0.12
(1,1104)	1:522:A:ALA:HB3	1:541:A:GLN:H	8	0.12
(1,1094)	1:467:A:VAL:H	1:541:A:GLN:H	9	0.12
(1,1069)	1:487:A:LEU:HA	1:493:A:LEU:H	10	0.12
(1,1036)	1:454:A:VAL:HG11	1:455:A:LEU:H	6	0.12
(1,1036)	1:454:A:VAL:HG12	1:455:A:LEU:H	6	0.12
(1,1036)	1:454:A:VAL:HG13	1:455:A:LEU:H	6	0.12
(1,984)	1:505:A:LYS:HA	1:511:A:HIS:HD2	3	0.12
(1,965)	1:486:A:TRP:HZ2	1:510:A:HIS:HA	10	0.12
(1,928)	1:522:A:ALA:HA	1:540:A:VAL:HG21	4	0.12
(1,928)	1:522:A:ALA:HA	1:540:A:VAL:HG22	4	0.12
(1,928)	1:522:A:ALA:HA	1:540:A:VAL:HG23	4	0.12
(1,922)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	3	0.12
(1,922)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	3	0.12
(1,922)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	3	0.12
(1,922)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	3	0.12
(1,922)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	3	0.12
(1,922)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG21	10	0.12
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG22	10	0.12
(1,921)	1:538:A:LEU:HB3	1:540:A:VAL:HG23	10	0.12
(1,920)	1:539:A:ILE:HG21	1:540:A:VAL:HG21	2	0.12
(1,920)	1:539:A:ILE:HG21	1:540:A:VAL:HG22	2	0.12
(1,920)	1:539:A:ILE:HG21	1:540:A:VAL:HG23	2	0.12
(1,920)	1:539:A:ILE:HG22	1:540:A:VAL:HG21	2	0.12
(1,920)	1:539:A:ILE:HG22	1:540:A:VAL:HG22	2	0.12
(1,920)	1:539:A:ILE:HG22	1:540:A:VAL:HG23	2	0.12
(1,920)	1:539:A:ILE:HG23	1:540:A:VAL:HG21	2	0.12
(1,920)	1:539:A:ILE:HG23	1:540:A:VAL:HG22	2	0.12
(1,920)	1:539:A:ILE:HG23	1:540:A:VAL:HG23	2	0.12
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	3	0.12
(1,832)	1:527:A:LEU:H	1:535:A:LEU:HA	9	0.12
(1,820)	1:456:A:ILE:HG21	1:534:A:ALA:HA	7	0.12
(1,820)	1:456:A:ILE:HG22	1:534:A:ALA:HA	7	0.12
(1,820)	1:456:A:ILE:HG23	1:534:A:ALA:HA	7	0.12
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	6	0.12
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	6	0.12
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	6	0.12
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	9	0.12
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	9	0.12
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	9	0.12
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	7	0.12
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	7	0.12
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	7	0.12
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB1	10	0.12
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB2	10	0.12
(1,669)	1:469:A:GLN:HA	1:517:A:ALA:HB3	10	0.12
(1,659)	1:522:A:ALA:HA	1:538:A:LEU:HB2	6	0.12
(1,658)	1:516:A:GLU:HB2	1:517:A:ALA:HA	8	0.12
(1,658)	1:516:A:GLU:HB3	1:517:A:ALA:HA	8	0.12
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG2	7	0.12
(1,655)	1:468:A:GLY:H	1:516:A:GLU:HG3	7	0.12
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD11	7	0.12
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD12	7	0.12
(1,587)	1:513:A:ILE:H	1:513:A:ILE:HD13	7	0.12
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	6	0.12
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	3	0.12
(1,549)	1:464:A:LEU:HG	1:539:A:ILE:H	7	0.12
(1,433)	1:519:A:LEU:HD11	1:542:A:GLU:HA	2	0.12
(1,433)	1:519:A:LEU:HD12	1:542:A:GLU:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:519:A:LEU:HD13	1:542:A:GLU:HA	2	0.12
(1,400)	1:491:A:VAL:HA	1:492:A:GLU:HB2	5	0.12
(1,400)	1:491:A:VAL:HA	1:492:A:GLU:HB3	5	0.12
(1,359)	1:486:A:TRP:HA	1:527:A:LEU:HB2	5	0.12
(1,334)	1:484:A:VAL:HG11	1:529:A:THR:HB	5	0.12
(1,334)	1:484:A:VAL:HG12	1:529:A:THR:HB	5	0.12
(1,334)	1:484:A:VAL:HG13	1:529:A:THR:HB	5	0.12
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG11	8	0.12
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG12	8	0.12
(1,314)	1:482:A:ALA:HB1	1:484:A:VAL:HG13	8	0.12
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG11	8	0.12
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG12	8	0.12
(1,314)	1:482:A:ALA:HB2	1:484:A:VAL:HG13	8	0.12
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG11	8	0.12
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG12	8	0.12
(1,314)	1:482:A:ALA:HB3	1:484:A:VAL:HG13	8	0.12
(1,308)	1:480:A:GLU:HB3	1:508:A:GLN:HE21	5	0.12
(1,294)	1:455:A:LEU:H	1:478:A:SER:HA	2	0.12
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG11	1	0.12
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG12	1	0.12
(1,282)	1:476:A:GLU:HB3	1:477:A:VAL:HG13	1	0.12
(1,279)	1:477:A:VAL:HG11	1:478:A:SER:HA	3	0.12
(1,279)	1:477:A:VAL:HG12	1:478:A:SER:HA	3	0.12
(1,279)	1:477:A:VAL:HG13	1:478:A:SER:HA	3	0.12
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	5	0.12
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	6	0.12
(1,261)	1:475:A:CYS:HA	1:476:A:GLU:HG2	10	0.12
(1,259)	1:458:A:ARG:H	1:476:A:GLU:HB3	9	0.12
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	9	0.12
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	9	0.12
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	9	0.12
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG2	3	0.12
(1,191)	1:465:A:VAL:HA	1:469:A:GLN:HG3	3	0.12
(1,170)	1:467:A:VAL:HG11	1:519:A:LEU:HA	4	0.12
(1,170)	1:467:A:VAL:HG12	1:519:A:LEU:HA	4	0.12
(1,170)	1:467:A:VAL:HG13	1:519:A:LEU:HA	4	0.12
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD11	2	0.12
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD12	2	0.12
(1,164)	1:467:A:VAL:HB	1:519:A:LEU:HD13	2	0.12
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	9	0.12
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	9	0.12
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:456:A:ILE:HG21	1:459:A:PRO:HB2	6	0.12
(1,76)	1:456:A:ILE:HG21	1:459:A:PRO:HB3	6	0.12
(1,76)	1:456:A:ILE:HG22	1:459:A:PRO:HB2	6	0.12
(1,76)	1:456:A:ILE:HG22	1:459:A:PRO:HB3	6	0.12
(1,76)	1:456:A:ILE:HG23	1:459:A:PRO:HB2	6	0.12
(1,76)	1:456:A:ILE:HG23	1:459:A:PRO:HB3	6	0.12
(1,39)	1:471:A:VAL:HG11	1:513:A:ILE:HA	7	0.12
(1,39)	1:471:A:VAL:HG12	1:513:A:ILE:HA	7	0.12
(1,39)	1:471:A:VAL:HG13	1:513:A:ILE:HA	7	0.12
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	6	0.11
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	6	0.11
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	6	0.11
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	6	0.11
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	6	0.11
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	6	0.11
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	6	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	1	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	1	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG11	4	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG12	4	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG13	4	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG11	4	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG12	4	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG13	4	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG21	4	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG22	4	0.11
(1,2270)	1:521:A:ASP:HB2	1:540:A:VAL:HG23	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG21	4	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG22	4	0.11
(1,2270)	1:521:A:ASP:HB3	1:540:A:VAL:HG23	4	0.11
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD21	1	0.11
(1,2199)	1:500:A:LYS:HG2	1:515:A:ASN:HD22	1	0.11
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD21	1	0.11
(1,2199)	1:500:A:LYS:HG3	1:515:A:ASN:HD22	1	0.11
(1,2183)	1:493:A:LEU:HD11	1:503:A:PHE:HD2	1	0.11
(1,2183)	1:493:A:LEU:HD12	1:503:A:PHE:HD2	1	0.11
(1,2183)	1:493:A:LEU:HD13	1:503:A:PHE:HD2	1	0.11
(1,2183)	1:493:A:LEU:HD21	1:503:A:PHE:HD2	1	0.11
(1,2183)	1:493:A:LEU:HD22	1:503:A:PHE:HD2	1	0.11
(1,2183)	1:493:A:LEU:HD23	1:503:A:PHE:HD2	1	0.11
(1,2178)	1:493:A:LEU:HD11	1:494:A:THR:H	10	0.11
(1,2178)	1:493:A:LEU:HD12	1:494:A:THR:H	10	0.11
(1,2178)	1:493:A:LEU:HD13	1:494:A:THR:H	10	0.11
(1,2178)	1:493:A:LEU:HD21	1:494:A:THR:H	10	0.11
(1,2178)	1:493:A:LEU:HD22	1:494:A:THR:H	10	0.11
(1,2178)	1:493:A:LEU:HD23	1:494:A:THR:H	10	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD11	7	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD12	7	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD13	7	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD21	7	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD22	7	0.11
(1,2170)	1:491:A:VAL:H	1:493:A:LEU:HD23	7	0.11
(1,2139)	1:487:A:LEU:HD11	1:491:A:VAL:H	2	0.11
(1,2139)	1:487:A:LEU:HD12	1:491:A:VAL:H	2	0.11
(1,2139)	1:487:A:LEU:HD13	1:491:A:VAL:H	2	0.11
(1,2139)	1:487:A:LEU:HD21	1:491:A:VAL:H	2	0.11
(1,2139)	1:487:A:LEU:HD22	1:491:A:VAL:H	2	0.11
(1,2139)	1:487:A:LEU:HD23	1:491:A:VAL:H	2	0.11
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB2	4	0.11
(1,2074)	1:474:A:GLU:H	1:475:A:CYS:HB3	4	0.11
(1,2054)	1:471:A:VAL:HG11	1:473:A:PHE:HE1	10	0.11
(1,2054)	1:471:A:VAL:HG12	1:473:A:PHE:HE1	10	0.11
(1,2054)	1:471:A:VAL:HG13	1:473:A:PHE:HE1	10	0.11
(1,2054)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	10	0.11
(1,2054)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	10	0.11
(1,2054)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	10	0.11
(1,1964)	1:460:A:LEU:HD11	1:474:A:GLU:H	6	0.11
(1,1964)	1:460:A:LEU:HD12	1:474:A:GLU:H	6	0.11
(1,1964)	1:460:A:LEU:HD13	1:474:A:GLU:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:460:A:LEU:HD21	1:474:A:GLU:H	6	0.11
(1,1964)	1:460:A:LEU:HD22	1:474:A:GLU:H	6	0.11
(1,1964)	1:460:A:LEU:HD23	1:474:A:GLU:H	6	0.11
(1,1960)	1:460:A:LEU:HD11	1:473:A:PHE:HA	10	0.11
(1,1960)	1:460:A:LEU:HD12	1:473:A:PHE:HA	10	0.11
(1,1960)	1:460:A:LEU:HD13	1:473:A:PHE:HA	10	0.11
(1,1960)	1:460:A:LEU:HD21	1:473:A:PHE:HA	10	0.11
(1,1960)	1:460:A:LEU:HD22	1:473:A:PHE:HA	10	0.11
(1,1960)	1:460:A:LEU:HD23	1:473:A:PHE:HA	10	0.11
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB2	1	0.11
(1,1946)	1:457:A:THR:H	1:478:A:SER:HB3	1	0.11
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB2	6	0.11
(1,1941)	1:456:A:ILE:H	1:478:A:SER:HB3	6	0.11
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB2	9	0.11
(1,1937)	1:455:A:LEU:H	1:478:A:SER:HB3	9	0.11
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	1	0.11
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	7	0.11
(1,1925)	1:542:A:GLU:H	1:542:A:GLU:HA	9	0.11
(1,1881)	1:533:A:GLN:H	1:534:A:ALA:H	4	0.11
(1,1868)	1:456:A:ILE:HD11	1:529:A:THR:H	5	0.11
(1,1868)	1:456:A:ILE:HD12	1:529:A:THR:H	5	0.11
(1,1868)	1:456:A:ILE:HD13	1:529:A:THR:H	5	0.11
(1,1859)	1:456:A:ILE:HD11	1:527:A:LEU:H	6	0.11
(1,1859)	1:456:A:ILE:HD12	1:527:A:LEU:H	6	0.11
(1,1859)	1:456:A:ILE:HD13	1:527:A:LEU:H	6	0.11
(1,1842)	1:488:A:LYS:HA	1:526:A:ALA:H	5	0.11
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	7	0.11
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	7	0.11
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG2	6	0.11
(1,1796)	1:505:A:LYS:H	1:505:A:LYS:HG3	6	0.11
(1,1790)	1:504:A:LYS:H	1:512:A:LEU:HA	8	0.11
(1,1782)	1:501:A:TYR:HB2	1:502:A:ARG:H	4	0.11
(1,1782)	1:501:A:TYR:HB3	1:502:A:ARG:H	4	0.11
(1,1778)	1:500:A:LYS:HE2	1:501:A:TYR:H	4	0.11
(1,1770)	1:500:A:LYS:H	1:501:A:TYR:HA	3	0.11
(1,1746)	1:495:A:ARG:HG2	1:496:A:GLU:H	7	0.11
(1,1696)	1:493:A:LEU:H	1:503:A:PHE:HE2	1	0.11
(1,1677)	1:456:A:ILE:HA	1:477:A:VAL:H	2	0.11
(1,1645)	1:469:A:GLN:H	1:517:A:ALA:HA	4	0.11
(1,1618)	1:461:A:GLU:HG2	1:462:A:ASP:H	1	0.11
(1,1618)	1:461:A:GLU:HG3	1:462:A:ASP:H	1	0.11
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	3	0.11
(1,1587)	1:455:A:LEU:HB2	1:456:A:ILE:H	9	0.11
(1,1587)	1:455:A:LEU:HB3	1:456:A:ILE:H	9	0.11
(1,1532)	1:505:A:LYS:HB2	1:506:A:ASP:H	1	0.11
(1,1532)	1:505:A:LYS:HB3	1:506:A:ASP:H	1	0.11
(1,1532)	1:505:A:LYS:HB2	1:506:A:ASP:H	3	0.11
(1,1532)	1:505:A:LYS:HB3	1:506:A:ASP:H	3	0.11
(1,1532)	1:505:A:LYS:HB2	1:506:A:ASP:H	6	0.11
(1,1532)	1:505:A:LYS:HB3	1:506:A:ASP:H	6	0.11
(1,1492)	1:466:A:MET:HE1	1:469:A:GLN:HE21	8	0.11
(1,1492)	1:466:A:MET:HE2	1:469:A:GLN:HE21	8	0.11
(1,1492)	1:466:A:MET:HE3	1:469:A:GLN:HE21	8	0.11
(1,1481)	1:460:A:LEU:H	1:535:A:LEU:HA	7	0.11
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB1	8	0.11
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB2	8	0.11
(1,1477)	1:460:A:LEU:H	1:536:A:ALA:HB3	8	0.11
(1,1459)	1:501:A:TYR:HA	1:516:A:GLU:H	6	0.11
(1,1453)	1:514:A:ILE:HB	1:516:A:GLU:H	8	0.11
(1,1446)	1:477:A:VAL:HB	1:479:A:GLU:H	6	0.11
(1,1439)	1:454:A:VAL:HA	1:479:A:GLU:H	5	0.11
(1,1437)	1:474:A:GLU:H	1:475:A:CYS:H	9	0.11
(1,1420)	1:476:A:GLU:HA	1:510:A:HIS:H	5	0.11
(1,1414)	1:453:A:PRO:HB2	1:454:A:VAL:H	5	0.11
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB1	4	0.11
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB2	4	0.11
(1,1384)	1:458:A:ARG:H	1:534:A:ALA:HB3	4	0.11
(1,1356)	1:519:A:LEU:HA	1:521:A:ASP:H	4	0.11
(1,1323)	1:508:A:GLN:HG2	1:508:A:GLN:HE22	7	0.11
(1,1323)	1:508:A:GLN:HG2	1:508:A:GLN:HE22	10	0.11
(1,1321)	1:478:A:SER:HA	1:508:A:GLN:HE21	3	0.11
(1,1316)	1:478:A:SER:HA	1:508:A:GLN:HE22	3	0.11
(1,1301)	1:481:A:GLY:HA2	1:507:A:GLY:H	7	0.11
(1,1268)	1:468:A:GLY:H	1:517:A:ALA:HA	9	0.11
(1,1258)	1:511:A:HIS:H	1:512:A:LEU:HB2	9	0.11
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	2	0.11
(1,1244)	1:510:A:HIS:HB2	1:511:A:HIS:H	5	0.11
(1,1219)	1:487:A:LEU:HB3	1:488:A:LYS:H	7	0.11
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	10	0.11
(1,1137)	1:501:A:TYR:HD2	1:515:A:ASN:H	10	0.11
(1,1123)	1:512:A:LEU:H	1:513:A:ILE:HB	7	0.11
(1,1091)	1:472:A:GLU:H	1:473:A:PHE:HA	7	0.11
(1,1043)	1:486:A:TRP:HE1	1:510:A:HIS:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:489:A:ASP:H	1:491:A:VAL:H	2	0.11
(1,945)	1:540:A:VAL:HG11	1:542:A:GLU:HA	6	0.11
(1,945)	1:540:A:VAL:HG12	1:542:A:GLU:HA	6	0.11
(1,945)	1:540:A:VAL:HG13	1:542:A:GLU:HA	6	0.11
(1,879)	1:465:A:VAL:H	1:539:A:ILE:HB	6	0.11
(1,868)	1:538:A:LEU:HA	1:539:A:ILE:HB	6	0.11
(1,811)	1:490:A:GLY:HA3	1:491:A:VAL:HB	8	0.11
(1,725)	1:522:A:ALA:HB1	1:538:A:LEU:HB2	6	0.11
(1,725)	1:522:A:ALA:HB2	1:538:A:LEU:HB2	6	0.11
(1,725)	1:522:A:ALA:HB3	1:538:A:LEU:HB2	6	0.11
(1,723)	1:522:A:ALA:HB1	1:539:A:ILE:HG21	2	0.11
(1,723)	1:522:A:ALA:HB1	1:539:A:ILE:HG22	2	0.11
(1,723)	1:522:A:ALA:HB1	1:539:A:ILE:HG23	2	0.11
(1,723)	1:522:A:ALA:HB2	1:539:A:ILE:HG21	2	0.11
(1,723)	1:522:A:ALA:HB2	1:539:A:ILE:HG22	2	0.11
(1,723)	1:522:A:ALA:HB2	1:539:A:ILE:HG23	2	0.11
(1,723)	1:522:A:ALA:HB3	1:539:A:ILE:HG21	2	0.11
(1,723)	1:522:A:ALA:HB3	1:539:A:ILE:HG22	2	0.11
(1,723)	1:522:A:ALA:HB3	1:539:A:ILE:HG23	2	0.11
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	10	0.11
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	10	0.11
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	10	0.11
(1,706)	1:519:A:LEU:HD11	1:540:A:VAL:HB	2	0.11
(1,706)	1:519:A:LEU:HD12	1:540:A:VAL:HB	2	0.11
(1,706)	1:519:A:LEU:HD13	1:540:A:VAL:HB	2	0.11
(1,671)	1:517:A:ALA:HB1	1:521:A:ASP:HB3	4	0.11
(1,671)	1:517:A:ALA:HB2	1:521:A:ASP:HB3	4	0.11
(1,671)	1:517:A:ALA:HB3	1:521:A:ASP:HB3	4	0.11
(1,658)	1:516:A:GLU:HB2	1:517:A:ALA:HA	1	0.11
(1,658)	1:516:A:GLU:HB3	1:517:A:ALA:HA	1	0.11
(1,571)	1:512:A:LEU:HA	1:513:A:ILE:HB	3	0.11
(1,532)	1:507:A:GLY:HA3	1:508:A:GLN:HG2	7	0.11
(1,518)	1:526:A:ALA:HB1	1:535:A:LEU:HA	10	0.11
(1,518)	1:526:A:ALA:HB2	1:535:A:LEU:HA	10	0.11
(1,518)	1:526:A:ALA:HB3	1:535:A:LEU:HA	10	0.11
(1,501)	1:503:A:PHE:HA	1:504:A:LYS:HB2	8	0.11
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG2	2	0.11
(1,441)	1:485:A:LYS:HB2	1:492:A:GLU:HG3	2	0.11
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG2	2	0.11
(1,441)	1:485:A:LYS:HB3	1:492:A:GLU:HG3	2	0.11
(1,375)	1:487:A:LEU:HA	1:493:A:LEU:HA	10	0.11
(1,312)	1:519:A:LEU:HB3	1:520:A:GLU:HG2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:477:A:VAL:HG21	1:481:A:GLY:HA2	5	0.11
(1,289)	1:477:A:VAL:HG22	1:481:A:GLY:HA2	5	0.11
(1,289)	1:477:A:VAL:HG23	1:481:A:GLY:HA2	5	0.11
(1,289)	1:477:A:VAL:HG21	1:481:A:GLY:HA2	9	0.11
(1,289)	1:477:A:VAL:HG22	1:481:A:GLY:HA2	9	0.11
(1,289)	1:477:A:VAL:HG23	1:481:A:GLY:HA2	9	0.11
(1,264)	1:456:A:ILE:H	1:477:A:VAL:HA	3	0.11
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	8	0.11
(1,263)	1:476:A:GLU:HG3	1:477:A:VAL:H	10	0.11
(1,231)	1:471:A:VAL:HG21	1:513:A:ILE:HA	3	0.11
(1,231)	1:471:A:VAL:HG22	1:513:A:ILE:HA	3	0.11
(1,231)	1:471:A:VAL:HG23	1:513:A:ILE:HA	3	0.11
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB2	9	0.11
(1,216)	1:471:A:VAL:HA	1:472:A:GLU:HB3	9	0.11
(1,214)	1:470:A:ARG:HG2	1:471:A:VAL:HA	8	0.11
(1,214)	1:470:A:ARG:HG3	1:471:A:VAL:HA	8	0.11
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG21	2	0.11
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG22	2	0.11
(1,131)	1:464:A:LEU:H	1:465:A:VAL:HG23	2	0.11
(1,123)	1:465:A:VAL:HG11	1:469:A:GLN:HG2	7	0.11
(1,123)	1:465:A:VAL:HG11	1:469:A:GLN:HG3	7	0.11
(1,123)	1:465:A:VAL:HG12	1:469:A:GLN:HG2	7	0.11
(1,123)	1:465:A:VAL:HG12	1:469:A:GLN:HG3	7	0.11
(1,123)	1:465:A:VAL:HG13	1:469:A:GLN:HG2	7	0.11
(1,123)	1:465:A:VAL:HG13	1:469:A:GLN:HG3	7	0.11
(1,117)	1:465:A:VAL:HB	1:469:A:GLN:H	3	0.11
(1,109)	1:526:A:ALA:HA	1:535:A:LEU:HD21	3	0.11
(1,109)	1:526:A:ALA:HA	1:535:A:LEU:HD22	3	0.11
(1,109)	1:526:A:ALA:HA	1:535:A:LEU:HD23	3	0.11
(1,98)	1:514:A:ILE:HG21	1:521:A:ASP:HB3	7	0.11
(1,98)	1:514:A:ILE:HG22	1:521:A:ASP:HB3	7	0.11
(1,98)	1:514:A:ILE:HG23	1:521:A:ASP:HB3	7	0.11
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB2	1	0.11
(1,54)	1:456:A:ILE:HD11	1:533:A:GLN:HB3	1	0.11
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB2	1	0.11
(1,54)	1:456:A:ILE:HD12	1:533:A:GLN:HB3	1	0.11
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB2	1	0.11
(1,54)	1:456:A:ILE:HD13	1:533:A:GLN:HB3	1	0.11
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	7	0.11
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	7	0.11
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	7	0.11
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:527:A:LEU:HD11	1:528:A:CYS:HB3	2	0.1
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB2	2	0.1
(1,2291)	1:527:A:LEU:HD12	1:528:A:CYS:HB3	2	0.1
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB2	2	0.1
(1,2291)	1:527:A:LEU:HD13	1:528:A:CYS:HB3	2	0.1
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB2	2	0.1
(1,2291)	1:527:A:LEU:HD21	1:528:A:CYS:HB3	2	0.1
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB2	2	0.1
(1,2291)	1:527:A:LEU:HD22	1:528:A:CYS:HB3	2	0.1
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB2	2	0.1
(1,2291)	1:527:A:LEU:HD23	1:528:A:CYS:HB3	2	0.1
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD21	6	0.1
(1,2198)	1:500:A:LYS:HB3	1:515:A:ASN:HD22	6	0.1
(1,2178)	1:493:A:LEU:HD11	1:494:A:THR:H	2	0.1
(1,2178)	1:493:A:LEU:HD12	1:494:A:THR:H	2	0.1
(1,2178)	1:493:A:LEU:HD13	1:494:A:THR:H	2	0.1
(1,2178)	1:493:A:LEU:HD21	1:494:A:THR:H	2	0.1
(1,2178)	1:493:A:LEU:HD22	1:494:A:THR:H	2	0.1
(1,2178)	1:493:A:LEU:HD23	1:494:A:THR:H	2	0.1
(1,1987)	1:460:A:LEU:HD11	1:536:A:ALA:HA	6	0.1
(1,1987)	1:460:A:LEU:HD12	1:536:A:ALA:HA	6	0.1
(1,1987)	1:460:A:LEU:HD13	1:536:A:ALA:HA	6	0.1
(1,1987)	1:460:A:LEU:HD21	1:536:A:ALA:HA	6	0.1
(1,1987)	1:460:A:LEU:HD22	1:536:A:ALA:HA	6	0.1
(1,1987)	1:460:A:LEU:HD23	1:536:A:ALA:HA	6	0.1
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD2	4	0.1
(1,1935)	1:452:A:MET:H	1:453:A:PRO:HD3	4	0.1
(1,1920)	1:540:A:VAL:HG11	1:542:A:GLU:H	1	0.1
(1,1920)	1:540:A:VAL:HG12	1:542:A:GLU:H	1	0.1
(1,1920)	1:540:A:VAL:HG13	1:542:A:GLU:H	1	0.1
(1,1906)	1:466:A:MET:HG2	1:541:A:GLN:H	1	0.1
(1,1884)	1:456:A:ILE:HD11	1:534:A:ALA:H	8	0.1
(1,1884)	1:456:A:ILE:HD12	1:534:A:ALA:H	8	0.1
(1,1884)	1:456:A:ILE:HD13	1:534:A:ALA:H	8	0.1
(1,1830)	1:519:A:LEU:HA	1:522:A:ALA:H	8	0.1
(1,1799)	1:477:A:VAL:H	1:508:A:GLN:H	3	0.1
(1,1710)	1:483:A:GLN:H	1:483:A:GLN:HB2	9	0.1
(1,1710)	1:483:A:GLN:H	1:483:A:GLN:HB3	9	0.1
(1,1695)	1:513:A:ILE:H	1:513:A:ILE:HB	8	0.1
(1,1581)	1:454:A:VAL:H	1:532:A:GLY:H	10	0.1
(1,1559)	1:522:A:ALA:H	1:540:A:VAL:H	5	0.1
(1,1539)	1:468:A:GLY:H	1:517:A:ALA:H	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:454:A:VAL:HB	1:478:A:SER:H	8	0.1
(1,1460)	1:516:A:GLU:H	1:517:A:ALA:H	4	0.1
(1,1437)	1:474:A:GLU:H	1:475:A:CYS:H	8	0.1
(1,1323)	1:508:A:GLN:HG2	1:508:A:GLN:HE22	9	0.1
(1,1263)	1:468:A:GLY:H	1:469:A:GLN:HB3	8	0.1
(1,1228)	1:466:A:MET:H	1:469:A:GLN:HA	6	0.1
(1,1219)	1:487:A:LEU:HB3	1:488:A:LYS:H	3	0.1
(1,1219)	1:487:A:LEU:HB3	1:488:A:LYS:H	5	0.1
(1,1151)	1:518:A:MET:H	1:521:A:ASP:HA	1	0.1
(1,818)	1:454:A:VAL:HG11	1:532:A:GLY:HA3	4	0.1
(1,818)	1:454:A:VAL:HG12	1:532:A:GLY:HA3	4	0.1
(1,818)	1:454:A:VAL:HG13	1:532:A:GLY:HA3	4	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	8	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	8	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	8	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB1	10	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB2	10	0.1
(1,815)	1:532:A:GLY:HA3	1:534:A:ALA:HB3	10	0.1
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD11	8	0.1
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD12	8	0.1
(1,758)	1:510:A:HIS:HB2	1:527:A:LEU:HD13	8	0.1
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB1	4	0.1
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB2	4	0.1
(1,730)	1:521:A:ASP:H	1:522:A:ALA:HB3	4	0.1
(1,716)	1:519:A:LEU:HD11	1:520:A:GLU:HA	3	0.1
(1,716)	1:519:A:LEU:HD12	1:520:A:GLU:HA	3	0.1
(1,716)	1:519:A:LEU:HD13	1:520:A:GLU:HA	3	0.1
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD11	3	0.1
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD12	3	0.1
(1,632)	1:501:A:TYR:HB3	1:514:A:ILE:HD13	3	0.1
(1,554)	1:504:A:LYS:HB2	1:510:A:HIS:HA	9	0.1
(1,451)	1:498:A:THR:HA	1:498:A:THR:HB	4	0.1
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB1	7	0.1
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB2	7	0.1
(1,323)	1:478:A:SER:H	1:482:A:ALA:HB3	7	0.1
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG21	10	0.1
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG22	10	0.1
(1,293)	1:455:A:LEU:H	1:477:A:VAL:HG23	10	0.1
(1,228)	1:471:A:VAL:HG21	1:473:A:PHE:HE1	5	0.1
(1,228)	1:471:A:VAL:HG22	1:473:A:PHE:HE1	5	0.1
(1,228)	1:471:A:VAL:HG23	1:473:A:PHE:HE1	5	0.1
(1,133)	1:465:A:VAL:HG21	1:539:A:ILE:H	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:465:A:VAL:HG22	1:539:A:ILE:H	5	0.1
(1,133)	1:465:A:VAL:HG23	1:539:A:ILE:H	5	0.1
(1,26)	1:454:A:VAL:HG11	1:455:A:LEU:HA	1	0.1
(1,26)	1:454:A:VAL:HG12	1:455:A:LEU:HA	1	0.1
(1,26)	1:454:A:VAL:HG13	1:455:A:LEU:HA	1	0.1
(1,8)	1:457:A:THR:HA	1:477:A:VAL:HA	8	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found