Full wwPDB NMR Structure Validation Report (i)

Mar 6, 2026 – 10:34 PM UTC

PDB ID	:	5YXI / pdb_00005yxi
BMRB ID	:	36136
Title	:	Designed protein dRafX6
Authors	:	Liu, R.
Deposited on	:	2017-12-05

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:

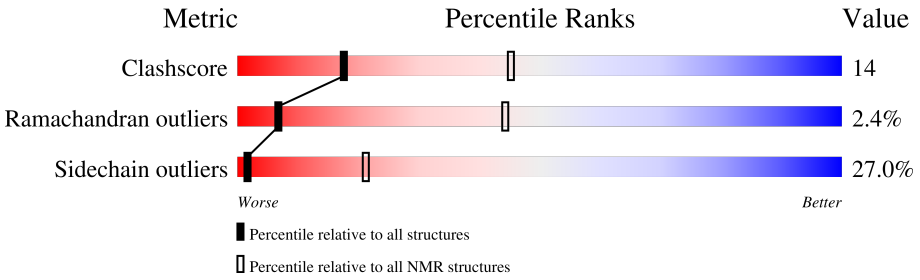
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 79%.

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	79	44% 41% . 13%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 4 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:4-A:49, A:57-A:79 (69)	0.63	4

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 4 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1287 atoms, of which 673 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Designed protein dRafX6.

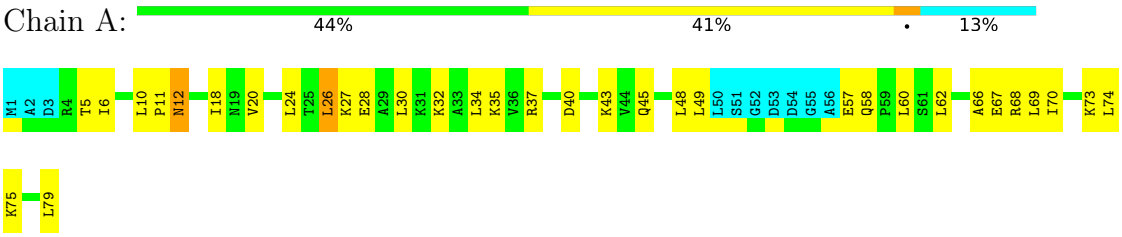
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	79	1287	391	673	112	110	1	0

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: Designed protein dRafX6

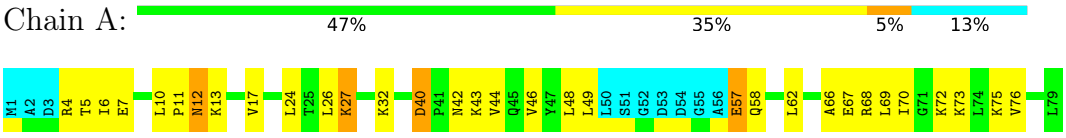


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

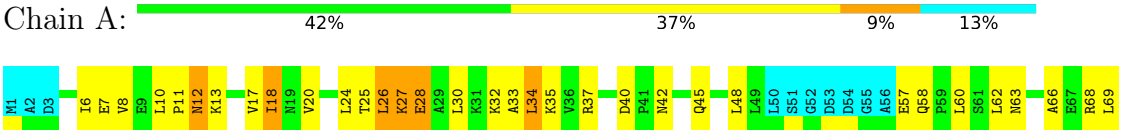
4.2.1 Score per residue for model 1

• Molecule 1: Designed protein dRafX6



4.2.2 Score per residue for model 2

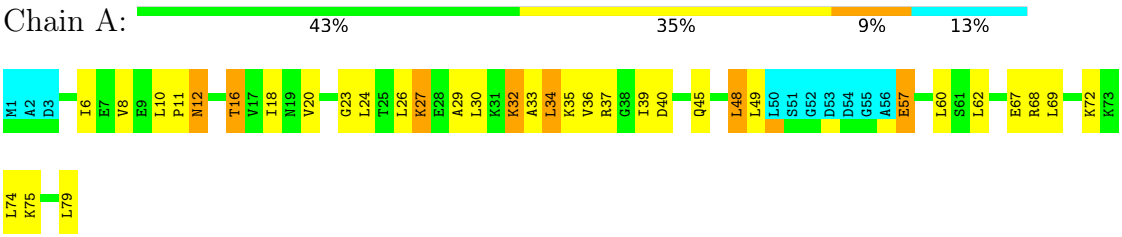
• Molecule 1: Designed protein dRafX6



4.2.3 Score per residue for model 3

• Molecule 1: Designed protein dRafX6

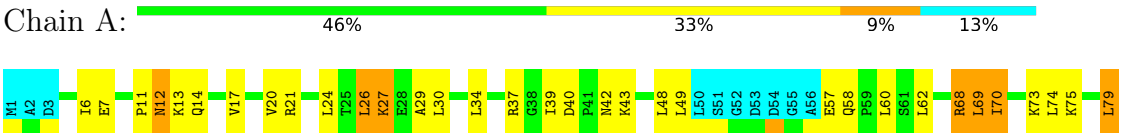
Chain A:



4.2.4 Score per residue for model 4 (medoid)

• Molecule 1: Designed protein dRafX6

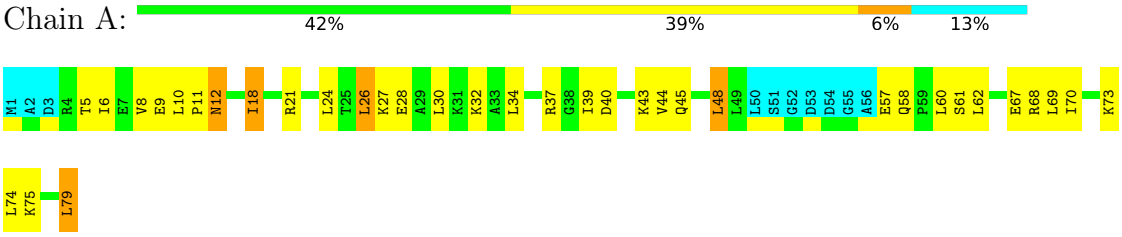
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Designed protein dRafX6

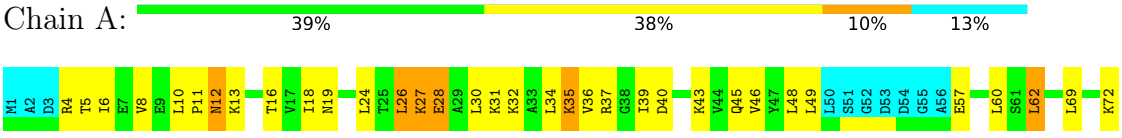
Chain A:

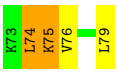


4.2.6 Score per residue for model 6

• Molecule 1: Designed protein dRafX6

Chain A:

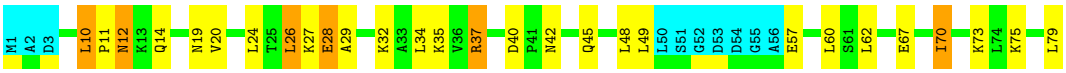




4.2.7 Score per residue for model 7

• Molecule 1: Designed protein dRafX6

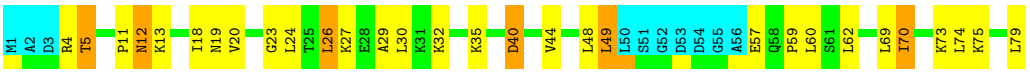
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Designed protein dRafX6

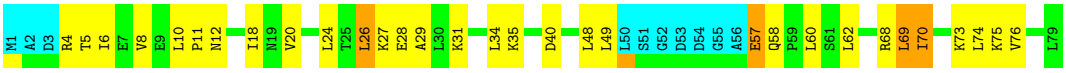
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Designed protein dRafX6

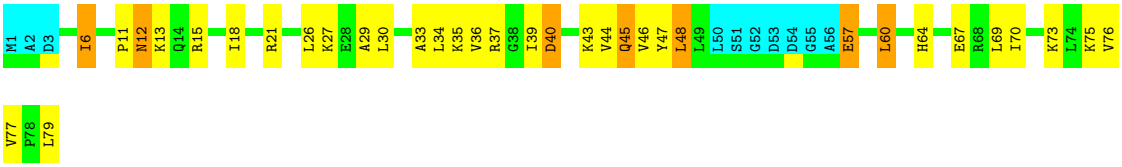
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Designed protein dRafX6

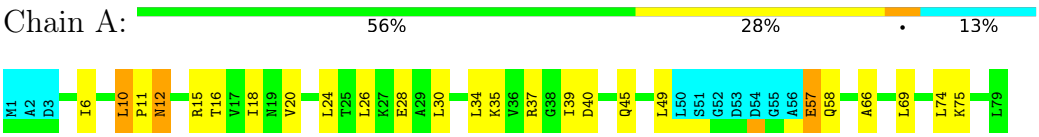
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Designed protein dRafX6

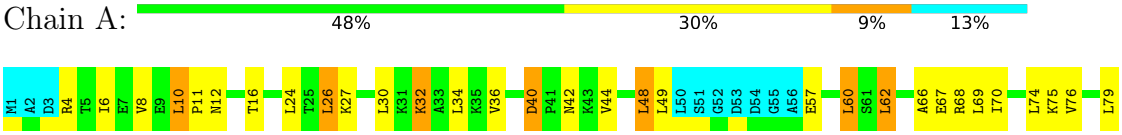
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Designed protein dRafX6

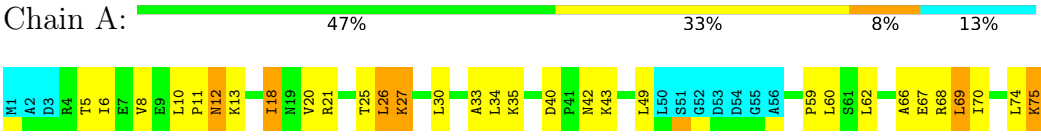
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Designed protein dRafX6

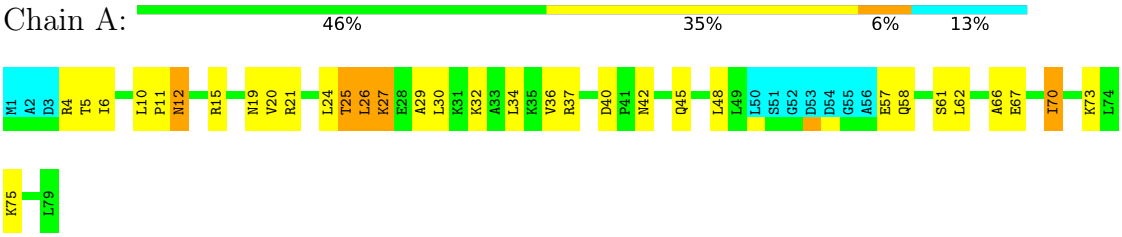
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Designed protein dRafX6

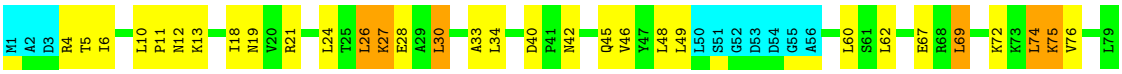
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Designed protein dRafX6

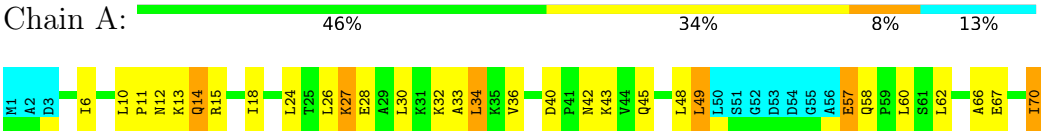
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Designed protein dRafX6

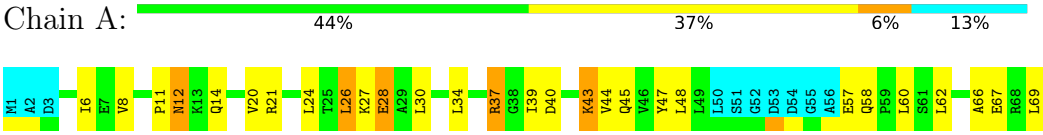
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Designed protein dRafX6

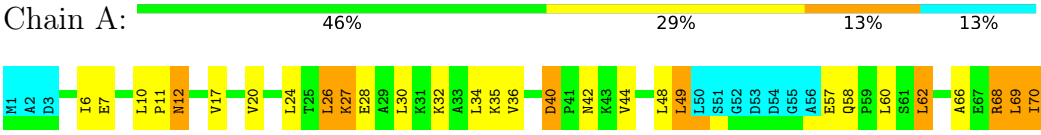
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Designed protein dRafX6

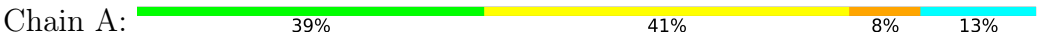
Chain A:

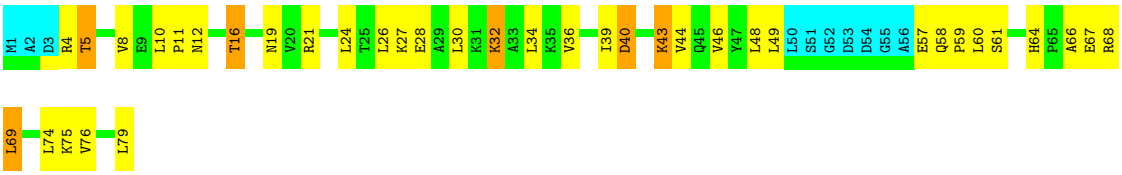


4.2.19 Score per residue for model 19

• Molecule 1: Designed protein dRafX6

Chain A:

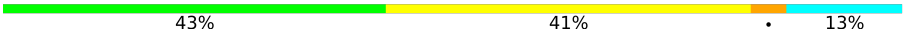


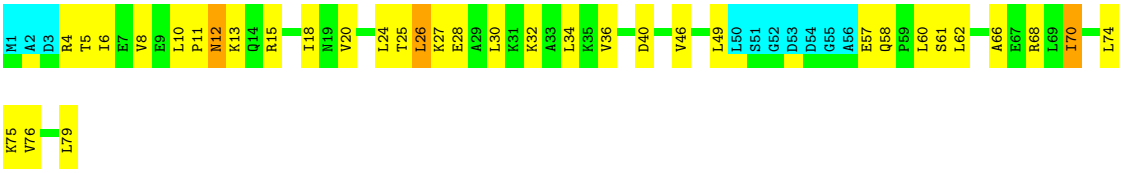


4.2.20 Score per residue for model 20

• Molecule 1: Designed protein dRafX6

Chain A:





5 Refinement protocol and experimental data overview

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

Of the 1000 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

The following table shows the software used for structure solution, optimisation and refinement.

Software name	Classification	Version
CYANA	refinement	
CYANA	structure calculation	

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	880
Number of shifts mapped to atoms	880
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	79%

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	550	620	620	16±4
All	All	11000	12400	12400	316

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 14.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:46:VAL:HG12	1:A:76:VAL:HG22	0.93	1.40	19	1
1:A:30:LEU:HD21	1:A:34:LEU:HD13	0.88	1.42	12	5
1:A:48:LEU:HD12	1:A:69:LEU:HD13	0.86	1.44	10	4
1:A:48:LEU:HD12	1:A:69:LEU:HD12	0.83	1.48	19	1
1:A:69:LEU:HD11	1:A:74:LEU:HD21	0.82	1.50	19	1
1:A:30:LEU:HD13	1:A:33:ALA:HB3	0.75	1.57	15	1
1:A:69:LEU:HD11	1:A:74:LEU:HD11	0.74	1.58	12	2
1:A:34:LEU:HD13	1:A:39:ILE:O	0.70	1.87	10	2
1:A:26:LEU:HD11	1:A:30:LEU:HD22	0.69	1.63	13	2
1:A:4:ARG:C	1:A:70:ILE:HD11	0.67	2.15	20	3
1:A:26:LEU:HD12	1:A:30:LEU:HD13	0.67	1.65	14	2
1:A:48:LEU:HD12	1:A:60:LEU:HD11	0.66	1.67	5	1
1:A:26:LEU:HD13	1:A:60:LEU:HD22	0.65	1.67	10	1
1:A:30:LEU:CD2	1:A:34:LEU:HD13	0.64	2.22	17	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:11:PRO:O	1:A:12:ASN:CB	0.64	2.46	17	20
1:A:32:LYS:O	1:A:36:VAL:HG23	0.63	1.93	14	6
1:A:46:VAL:HG22	1:A:76:VAL:HG22	0.62	1.71	15	3
1:A:26:LEU:CD1	1:A:30:LEU:HD22	0.62	2.25	5	3
1:A:24:LEU:HD23	1:A:28:GLU:HB3	0.62	1.71	7	4
1:A:49:LEU:HD12	1:A:75:LYS:HD3	0.62	1.72	6	1
1:A:27:LYS:CE	1:A:62:LEU:HD13	0.61	2.25	9	2
1:A:48:LEU:HD23	1:A:60:LEU:HD22	0.61	1.71	15	1
1:A:10:LEU:HD22	1:A:16:THR:OG1	0.61	1.96	19	2
1:A:69:LEU:CD1	1:A:74:LEU:HD21	0.61	2.25	19	4
1:A:48:LEU:CD1	1:A:69:LEU:HD12	0.61	2.24	19	1
1:A:6:ILE:HD11	1:A:20:VAL:HG12	0.60	1.73	11	1
1:A:48:LEU:HD12	1:A:74:LEU:HD21	0.60	1.72	9	2
1:A:8:VAL:HG12	1:A:74:LEU:HB2	0.60	1.72	13	4
1:A:27:LYS:CD	1:A:62:LEU:HD22	0.60	2.26	14	2
1:A:27:LYS:HD3	1:A:62:LEU:HD22	0.60	1.73	14	4
1:A:69:LEU:N	1:A:69:LEU:HD13	0.60	2.12	13	3
1:A:67:GLU:CD	1:A:70:ILE:HD11	0.59	2.22	5	1
1:A:48:LEU:HD11	1:A:72:LYS:HD2	0.59	1.72	6	1
1:A:30:LEU:HG	1:A:34:LEU:HD13	0.59	1.74	2	3
1:A:30:LEU:HD12	1:A:33:ALA:HB3	0.59	1.74	2	3
1:A:27:LYS:HE3	1:A:62:LEU:HD13	0.59	1.73	9	1
1:A:26:LEU:HD21	1:A:62:LEU:HA	0.59	1.75	1	1
1:A:40:ASP:O	1:A:44:VAL:HG22	0.59	1.98	12	5
1:A:6:ILE:CG2	1:A:74:LEU:HD21	0.59	2.28	2	1
1:A:5:THR:N	1:A:70:ILE:HD11	0.58	2.13	9	4
1:A:69:LEU:CD1	1:A:74:LEU:HD22	0.58	2.29	6	1
1:A:48:LEU:HD13	1:A:60:LEU:HD11	0.58	1.74	7	1
1:A:6:ILE:HD12	1:A:6:ILE:O	0.57	1.98	6	1
1:A:20:VAL:HG11	1:A:66:ALA:HB3	0.57	1.77	20	4
1:A:48:LEU:HD23	1:A:49:LEU:N	0.57	2.15	19	2
1:A:27:LYS:HD2	1:A:62:LEU:HD22	0.57	1.77	15	6
1:A:6:ILE:HD11	1:A:70:ILE:HD12	0.57	1.75	9	3
1:A:7:GLU:CD	1:A:17:VAL:HG22	0.57	2.24	4	1
1:A:48:LEU:HB2	1:A:60:LEU:HD11	0.57	1.77	9	1
1:A:33:ALA:O	1:A:36:VAL:HG12	0.57	2.00	10	1
1:A:67:GLU:HG2	1:A:70:ILE:HD11	0.57	1.77	10	2
1:A:6:ILE:HG12	1:A:66:ALA:HB1	0.57	1.76	11	2
1:A:40:ASP:O	1:A:44:VAL:HG12	0.57	2.00	8	1
1:A:20:VAL:HG21	1:A:29:ALA:HB2	0.57	1.77	9	1
1:A:18:ILE:HG21	1:A:33:ALA:HB2	0.56	1.76	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:26:LEU:HD13	1:A:60:LEU:CD2	0.56	2.31	10	1
1:A:43:LYS:HA	1:A:79:LEU:HD11	0.56	1.75	4	1
1:A:20:VAL:HG22	1:A:29:ALA:HB1	0.55	1.77	7	3
1:A:69:LEU:HD11	1:A:74:LEU:HD22	0.55	1.79	6	1
1:A:59:PRO:O	1:A:60:LEU:HD22	0.55	2.01	19	3
1:A:27:LYS:HD3	1:A:62:LEU:HD13	0.55	1.78	15	1
1:A:48:LEU:CD1	1:A:69:LEU:HD13	0.55	2.25	10	2
1:A:30:LEU:O	1:A:34:LEU:HD12	0.55	2.00	20	1
1:A:27:LYS:HD3	1:A:62:LEU:HD12	0.54	1.79	6	3
1:A:24:LEU:HD22	1:A:28:GLU:CB	0.54	2.33	20	2
1:A:69:LEU:CD1	1:A:74:LEU:HD11	0.53	2.33	3	2
1:A:10:LEU:HD13	1:A:16:THR:OG1	0.53	2.03	12	1
1:A:48:LEU:HB3	1:A:74:LEU:HD23	0.53	1.78	18	1
1:A:46:VAL:CG1	1:A:76:VAL:HG22	0.53	2.25	19	1
1:A:26:LEU:HD12	1:A:30:LEU:HD23	0.53	1.79	20	1
1:A:37:ARG:HG3	1:A:39:ILE:HD13	0.53	1.81	17	1
1:A:69:LEU:CD2	1:A:74:LEU:HD21	0.53	2.34	11	1
1:A:8:VAL:CG2	1:A:76:VAL:HG23	0.53	2.33	19	2
1:A:5:THR:HG22	1:A:19:ASN:CB	0.53	2.33	6	1
1:A:32:LYS:O	1:A:36:VAL:HG12	0.53	2.04	20	1
1:A:34:LEU:HD12	1:A:35:LYS:N	0.52	2.19	6	2
1:A:30:LEU:O	1:A:30:LEU:HD23	0.52	2.04	8	1
1:A:10:LEU:HD11	1:A:16:THR:OG1	0.52	2.04	11	1
1:A:26:LEU:HD21	1:A:62:LEU:HD13	0.52	1.80	18	3
1:A:39:ILE:HG23	1:A:44:VAL:HG11	0.52	1.82	5	1
1:A:10:LEU:HD21	1:A:37:ARG:CZ	0.52	2.35	7	1
1:A:26:LEU:HD12	1:A:26:LEU:O	0.52	2.04	14	3
1:A:8:VAL:HG12	1:A:74:LEU:HD12	0.52	1.82	2	1
1:A:37:ARG:CG	1:A:39:ILE:HD13	0.52	2.34	4	3
1:A:27:LYS:HD2	1:A:62:LEU:HD12	0.52	1.82	17	1
1:A:30:LEU:HD23	1:A:30:LEU:O	0.51	2.05	6	2
1:A:24:LEU:HD11	1:A:29:ALA:HB2	0.51	1.81	14	1
1:A:49:LEU:HD12	1:A:75:LYS:CD	0.51	2.35	6	1
1:A:69:LEU:HD12	1:A:74:LEU:HD11	0.51	1.82	3	1
1:A:68:ARG:C	1:A:69:LEU:HD13	0.51	2.31	4	1
1:A:18:ILE:HD12	1:A:29:ALA:O	0.51	2.06	10	1
1:A:6:ILE:CD1	1:A:66:ALA:HB1	0.50	2.36	14	8
1:A:6:ILE:CD1	1:A:20:VAL:HG12	0.50	2.35	18	3
1:A:69:LEU:HD23	1:A:74:LEU:HD21	0.50	1.81	11	1
1:A:45:GLN:HB2	1:A:79:LEU:HD23	0.50	1.82	5	1
1:A:7:GLU:HG3	1:A:17:VAL:HG22	0.50	1.83	18	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:26:LEU:O	1:A:26:LEU:HD12	0.50	2.05	2	11
1:A:26:LEU:HD23	1:A:62:LEU:HA	0.50	1.84	2	3
1:A:8:VAL:HG22	1:A:76:VAL:HG12	0.50	1.83	9	1
1:A:39:ILE:CG2	1:A:44:VAL:HG11	0.50	2.37	5	1
1:A:6:ILE:HG21	1:A:69:LEU:CD1	0.50	2.37	15	1
1:A:48:LEU:HD12	1:A:69:LEU:CD1	0.49	2.36	6	1
1:A:6:ILE:CG1	1:A:66:ALA:HB1	0.49	2.37	11	1
1:A:30:LEU:HD11	1:A:76:VAL:CG2	0.48	2.37	10	1
1:A:43:LYS:HG3	1:A:44:VAL:HG13	0.48	1.84	17	2
1:A:37:ARG:HB3	1:A:39:ILE:HD13	0.48	1.84	10	1
1:A:6:ILE:O	1:A:18:ILE:HD13	0.48	2.09	5	1
1:A:32:LYS:O	1:A:36:VAL:HG22	0.47	2.09	12	1
1:A:30:LEU:HD21	1:A:34:LEU:CD1	0.47	2.31	11	3
1:A:6:ILE:HG21	1:A:69:LEU:HD12	0.47	1.86	15	1
1:A:67:GLU:HG3	1:A:70:ILE:HD11	0.47	1.87	12	1
1:A:27:LYS:HE2	1:A:62:LEU:HD13	0.47	1.84	2	1
1:A:27:LYS:CD	1:A:62:LEU:HD12	0.47	2.39	6	3
1:A:67:GLU:HA	1:A:70:ILE:HG23	0.47	1.85	16	3
1:A:47:TYR:CE1	1:A:77:VAL:HG11	0.47	2.44	10	1
1:A:20:VAL:CG2	1:A:29:ALA:HB1	0.47	2.39	3	2
1:A:20:VAL:HG12	1:A:29:ALA:HB1	0.46	1.87	14	1
1:A:32:LYS:O	1:A:36:VAL:HG13	0.46	2.09	12	1
1:A:67:GLU:CG	1:A:70:ILE:HD11	0.46	2.40	17	1
1:A:48:LEU:HD23	1:A:48:LEU:O	0.46	2.11	6	2
1:A:6:ILE:HG23	1:A:72:LYS:O	0.46	2.09	15	2
1:A:4:ARG:O	1:A:5:THR:HG23	0.46	2.11	8	2
1:A:59:PRO:C	1:A:60:LEU:HD22	0.46	2.36	8	2
1:A:66:ALA:O	1:A:69:LEU:HD23	0.45	2.11	19	1
1:A:46:VAL:HG12	1:A:76:VAL:HB	0.45	1.88	1	1
1:A:48:LEU:HB2	1:A:60:LEU:HD21	0.45	1.87	12	1
1:A:49:LEU:HD22	1:A:75:LYS:NZ	0.45	2.27	13	1
1:A:68:ARG:C	1:A:69:LEU:HD23	0.45	2.37	18	1
1:A:49:LEU:HD13	1:A:75:LYS:HE3	0.45	1.88	15	1
1:A:5:THR:HG22	1:A:19:ASN:HA	0.45	1.87	14	3
1:A:48:LEU:O	1:A:48:LEU:HD23	0.44	2.12	2	1
1:A:69:LEU:C	1:A:69:LEU:CD2	0.44	2.90	9	2
1:A:6:ILE:HG13	1:A:70:ILE:HD12	0.44	1.89	18	1
1:A:48:LEU:HD11	1:A:72:LYS:HB3	0.44	1.90	3	1
1:A:6:ILE:CD1	1:A:70:ILE:HD12	0.44	2.42	9	1
1:A:6:ILE:HD11	1:A:70:ILE:HG22	0.44	1.87	14	1
1:A:20:VAL:CG1	1:A:29:ALA:HB1	0.44	2.43	14	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:45:GLN:NE2	1:A:46:VAL:H	0.43	2.11	10	1
1:A:5:THR:HG22	1:A:19:ASN:OD1	0.43	2.13	15	1
1:A:68:ARG:CB	1:A:69:LEU:HD13	0.43	2.43	4	1
1:A:68:ARG:HB3	1:A:69:LEU:HD13	0.43	1.89	9	1
1:A:37:ARG:CB	1:A:39:ILE:HD13	0.43	2.43	3	1
1:A:48:LEU:HD23	1:A:58:GLN:O	0.43	2.13	14	1
1:A:30:LEU:HD11	1:A:76:VAL:HG21	0.43	1.91	10	1
1:A:27:LYS:HG2	1:A:62:LEU:HD12	0.43	1.88	18	1
1:A:34:LEU:HD12	1:A:34:LEU:C	0.43	2.39	10	2
1:A:6:ILE:HD13	1:A:66:ALA:HB1	0.42	1.89	2	1
1:A:37:ARG:HB2	1:A:39:ILE:HD13	0.42	1.90	3	1
1:A:48:LEU:N	1:A:60:LEU:HD11	0.42	2.29	12	1
1:A:8:VAL:CG1	1:A:76:VAL:HG23	0.42	2.43	20	1
1:A:21:ARG:CD	1:A:24:LEU:HD23	0.42	2.44	5	1
1:A:6:ILE:HD12	1:A:6:ILE:C	0.42	2.40	6	1
1:A:24:LEU:HD12	1:A:25:THR:O	0.42	2.15	14	1
1:A:24:LEU:C	1:A:24:LEU:HD12	0.42	2.40	5	1
1:A:34:LEU:HD11	1:A:39:ILE:CG2	0.42	2.45	19	1
1:A:14:GLN:HE21	1:A:15:ARG:N	0.42	2.13	16	1
1:A:8:VAL:HG11	1:A:30:LEU:HD12	0.41	1.92	6	1
1:A:26:LEU:CD1	1:A:30:LEU:HD13	0.41	2.40	14	2
1:A:26:LEU:CG	1:A:62:LEU:HD13	0.41	2.45	12	1
1:A:49:LEU:HD12	1:A:75:LYS:CE	0.41	2.46	6	1
1:A:60:LEU:HD23	1:A:64:HIS:HB2	0.41	1.91	10	1
1:A:30:LEU:C	1:A:34:LEU:HD12	0.41	2.40	20	1
1:A:6:ILE:H	1:A:6:ILE:HD13	0.41	1.75	10	1
1:A:24:LEU:CD1	1:A:29:ALA:HB2	0.41	2.45	14	1
1:A:30:LEU:HD13	1:A:33:ALA:CB	0.41	2.38	15	1
1:A:49:LEU:HD13	1:A:75:LYS:CE	0.41	2.46	15	1
1:A:8:VAL:HG12	1:A:74:LEU:CD1	0.40	2.47	6	1
1:A:47:TYR:CE2	1:A:77:VAL:HG21	0.40	2.51	17	1
1:A:26:LEU:HD12	1:A:26:LEU:C	0.40	2.42	6	1
1:A:46:VAL:HG11	1:A:74:LEU:HD12	0.40	1.92	15	1
1:A:26:LEU:CD2	1:A:62:LEU:HD13	0.40	2.46	18	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	68/79 (86%)	62±1 (91±1%)	4±1 (6±2%)	2±1 (2±1%)	7 44
All	All	1360/1580 (86%)	1242 (91%)	86 (6%)	32 (2%)	7 44

All 4 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	12	ASN	15
1	A	57	GLU	14
1	A	23	GLY	2
1	A	4	ARG	1

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	63/69 (91%)	46±3 (73±4%)	17±3 (27±4%)	2 21
All	All	1260/1380 (91%)	920 (73%)	340 (27%)	2 21

All 44 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	40	ASP	20
1	A	75	LYS	20
1	A	26	LEU	18
1	A	79	LEU	15
1	A	10	LEU	14
1	A	27	LYS	13
1	A	49	LEU	11
1	A	58	GLN	11
1	A	73	LYS	11
1	A	18	ILE	11
1	A	13	LYS	10
1	A	24	LEU	10

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Mol	Chain	Res	Type	Models (Total)
1	A	42	ASN	10
1	A	57	GLU	10
1	A	68	ARG	10
1	A	28	GLU	10
1	A	34	LEU	10
1	A	45	GLN	10
1	A	60	LEU	10
1	A	35	LYS	9
1	A	32	LYS	8
1	A	43	LYS	8
1	A	70	ILE	8
1	A	69	LEU	7
1	A	21	ARG	7
1	A	48	LEU	6
1	A	67	GLU	5
1	A	37	ARG	5
1	A	74	LEU	5
1	A	25	THR	4
1	A	14	GLN	4
1	A	61	SER	4
1	A	4	ARG	4
1	A	15	ARG	4
1	A	6	ILE	3
1	A	16	THR	3
1	A	62	LEU	3
1	A	31	LYS	2
1	A	5	THR	2
1	A	63	ASN	1
1	A	9	GLU	1
1	A	19	ASN	1
1	A	30	LEU	1
1	A	64	HIS	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 79% for the well-defined parts and 77% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *data-N3.str*

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	880
Number of shifts mapped to atoms	880
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	14

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	76	0.77 ± 0.29	Should be applied
$^{13}C_{\beta}$	69	0.34 ± 0.22	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	69	0.92 ± 0.41	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 79%, i.e. 816 atoms were assigned a chemical shift out of a possible 1037. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	263/336 (78%)	133/135 (99%)	68/138 (49%)	62/63 (98%)
Sidechain	551/685 (80%)	375/446 (84%)	176/208 (85%)	0/31 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	2/16 (12%)	2/8 (25%)	0/7 (0%)	0/1 (0%)
Overall	816/1037 (79%)	510/589 (87%)	244/353 (69%)	62/95 (65%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 77%, i.e. 875 atoms were assigned a chemical shift out of a possible 1135. 0 out of 21 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	297/388 (77%)	152/157 (97%)	76/158 (48%)	69/73 (95%)
Sidechain	576/731 (79%)	391/476 (82%)	185/224 (83%)	0/31 (0%)
Aromatic	2/16 (12%)	2/8 (25%)	0/7 (0%)	0/1 (0%)
Overall	875/1135 (77%)	545/641 (85%)	261/389 (67%)	69/105 (66%)

7.1.4 Statistically unusual chemical shifts (i)

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

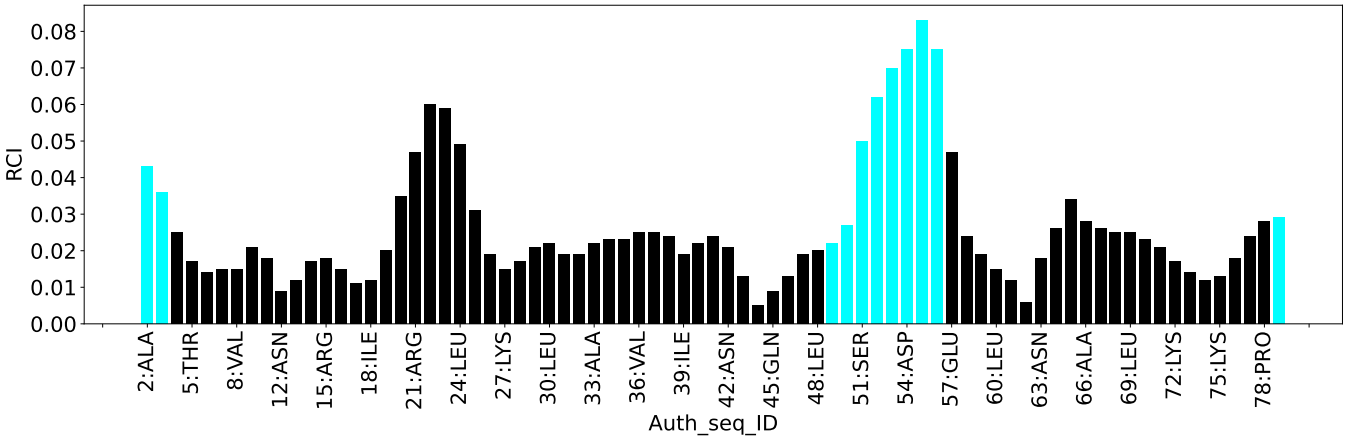
List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	20	VAL	CG1	61.88	14.71 – 28.29	29.7
1	A	20	VAL	CG2	61.88	13.71 – 28.88	26.8
1	A	32	LYS	CE	61.90	37.57 – 46.21	23.2
1	A	37	ARG	HD2	0.00	1.97 – 4.26	-13.6
1	A	62	LEU	CA	30.22	45.17 – 66.21	-12.1
1	A	28	GLU	HG2	0.00	1.24 – 3.30	-11.0
1	A	13	LYS	CB	48.93	24.03 – 41.47	9.3
1	A	44	VAL	CA	38.73	48.38 – 76.73	-8.4
1	A	35	LYS	HD3	0.00	0.54 – 2.65	-7.6
1	A	13	LYS	HB2	0.00	0.58 – 2.97	-7.4
1	A	59	PRO	HB2	0.00	0.37 – 3.78	-6.1
1	A	4	ARG	HG3	0.00	0.15 – 2.94	-5.5
1	A	12	ASN	CA	43.35	44.28 – 62.79	-5.5
1	A	32	LYS	HG3	0.00	0.04 – 2.67	-5.2

7.1.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble

composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



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	1536
Intra-residue (|i-j|=0)	709
Sequential (|i-j|=1)	376
Medium range (|i-j|>1 and |i-j|<5)	168
Long range (|i-j|≥5)	283
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	19.4
Number of long range restraints per residue[1]	3.6

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	37.3	0.2
0.2-0.5 (Medium)	92.5	0.5
>0.5 (Large)	254.2	24.17

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)

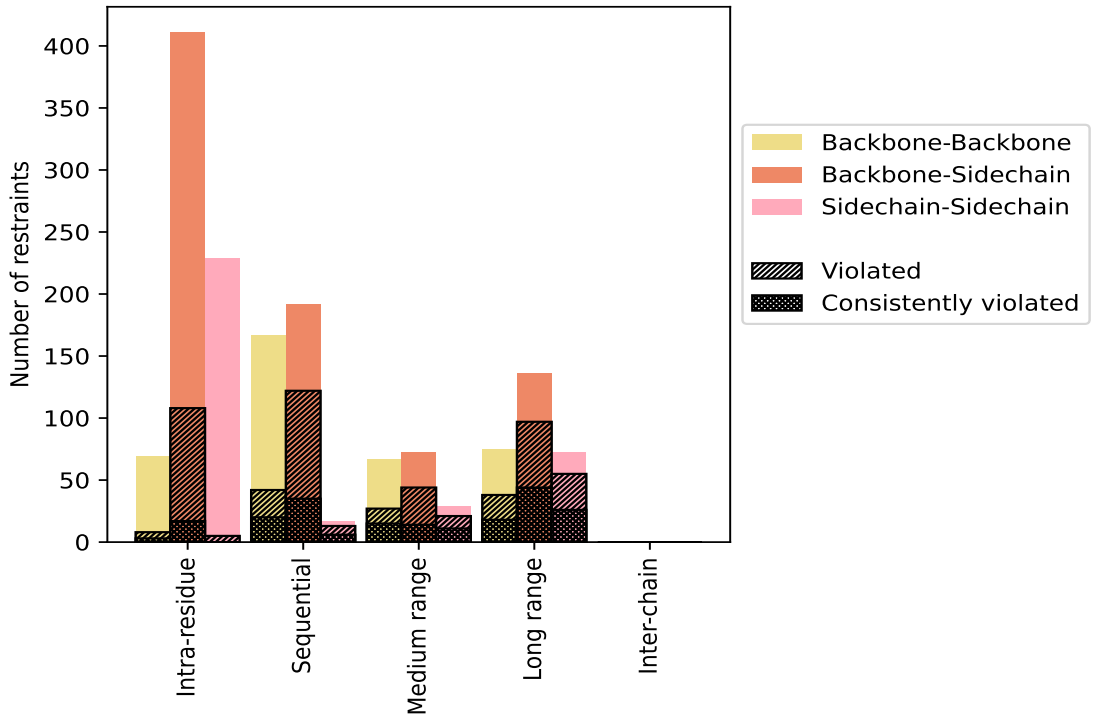
9.1 Summary of distance violations (i)

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)	709	46.2	121	17.1	7.9	20	2.8	1.3
Backbone-Backbone	69	4.5	8	11.6	0.5	3	4.3	0.2
Backbone-Sidechain	411	26.8	108	26.3	7.0	17	4.1	1.1
Sidechain-Sidechain	229	14.9	5	2.2	0.3	0	0.0	0.0
Sequential (|i-j|=1)	376	24.5	177	47.1	11.5	61	16.2	4.0
Backbone-Backbone	167	10.9	42	25.1	2.7	20	12.0	1.3
Backbone-Sidechain	192	12.5	122	63.5	7.9	35	18.2	2.3
Sidechain-Sidechain	17	1.1	13	76.5	0.8	6	35.3	0.4
Medium range (|i-j|>1 & |i-j|<5)	168	10.9	92	54.8	6.0	40	23.8	2.6
Backbone-Backbone	67	4.4	27	40.3	1.8	15	22.4	1.0
Backbone-Sidechain	72	4.7	44	61.1	2.9	14	19.4	0.9
Sidechain-Sidechain	29	1.9	21	72.4	1.4	11	37.9	0.7
Long range (|i-j|≥5)	283	18.4	190	67.1	12.4	88	31.1	5.7
Backbone-Backbone	75	4.9	38	50.7	2.5	18	24.0	1.2
Backbone-Sidechain	136	8.9	97	71.3	6.3	44	32.4	2.9
Sidechain-Sidechain	72	4.7	55	76.4	3.6	26	36.1	1.7
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	1536	100.0	580	37.8	37.8	209	13.6	13.6
Backbone-Backbone	378	24.6	115	30.4	7.5	56	14.8	3.6
Backbone-Sidechain	811	52.8	371	45.7	24.2	110	13.6	7.2
Sidechain-Sidechain	347	22.6	94	27.1	6.1	43	12.4	2.8

[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	70	115	63	137	0	385	1.69	23.26	2.9	0.79
2	70	119	60	132	0	381	1.66	23.45	2.84	0.75
3	73	120	65	135	0	393	1.69	22.88	2.83	0.87
4	69	115	60	129	0	373	1.71	23.13	2.95	0.77
5	70	118	65	124	0	377	1.68	22.93	2.82	0.77
6	73	127	66	140	0	406	1.64	22.7	2.74	0.82
7	67	115	64	146	0	392	1.7	23.43	2.84	0.81
8	73	120	59	140	0	392	1.68	22.79	2.88	0.78
9	66	113	64	138	0	381	1.7	22.24	2.89	0.74
10	65	117	65	134	0	381	1.72	22.13	2.82	0.81

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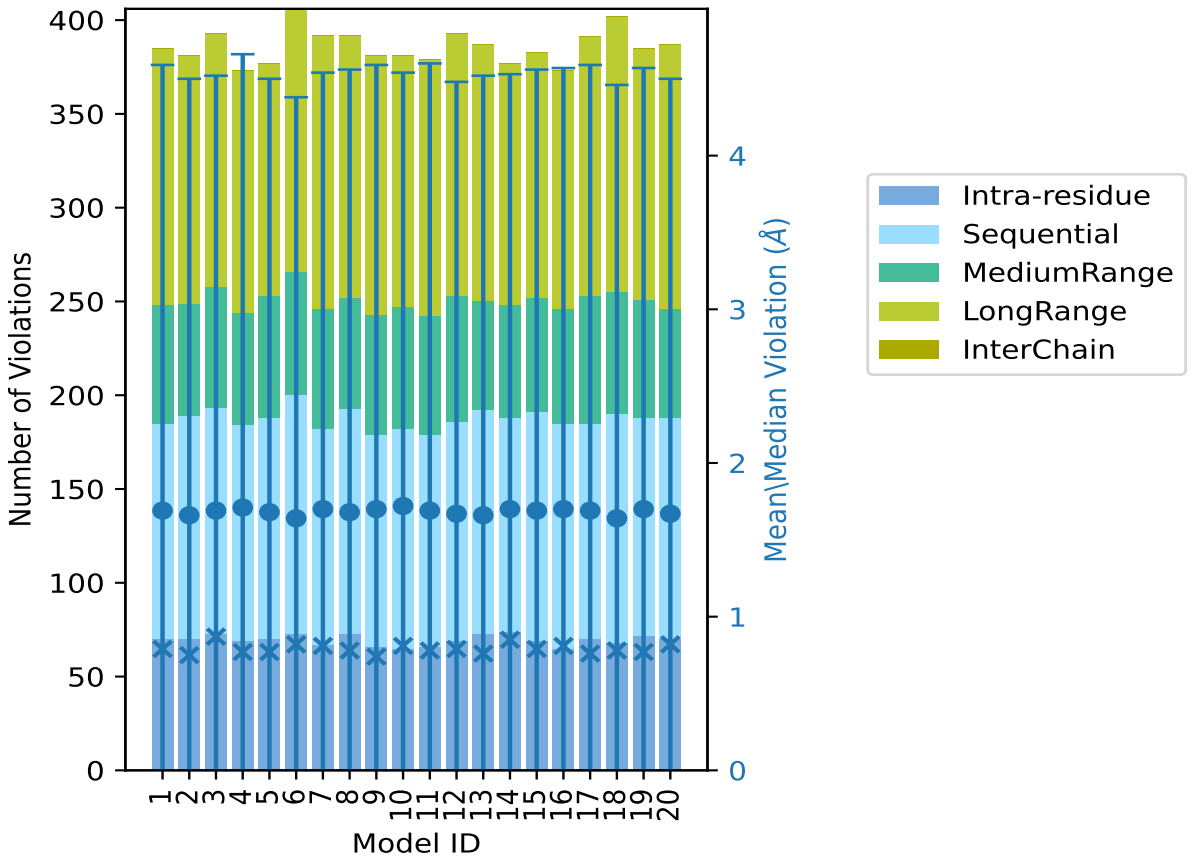
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	66	113	63	137	0	379	1.69	23.35	2.91	0.78
12	69	117	67	140	0	393	1.67	22.93	2.81	0.79
13	73	119	58	137	0	387	1.66	24.17	2.86	0.76
14	74	114	60	129	0	377	1.7	23.23	2.83	0.85
15	69	122	61	131	0	383	1.69	22.6	2.87	0.79
16	65	120	61	127	0	373	1.7	23.19	2.87	0.81
17	70	115	68	138	0	391	1.69	22.99	2.9	0.76
18	68	122	65	147	0	402	1.64	23.27	2.82	0.78
19	72	116	63	134	0	385	1.7	22.78	2.87	0.77
20	70	118	58	141	0	387	1.67	23.25	2.83	0.82

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

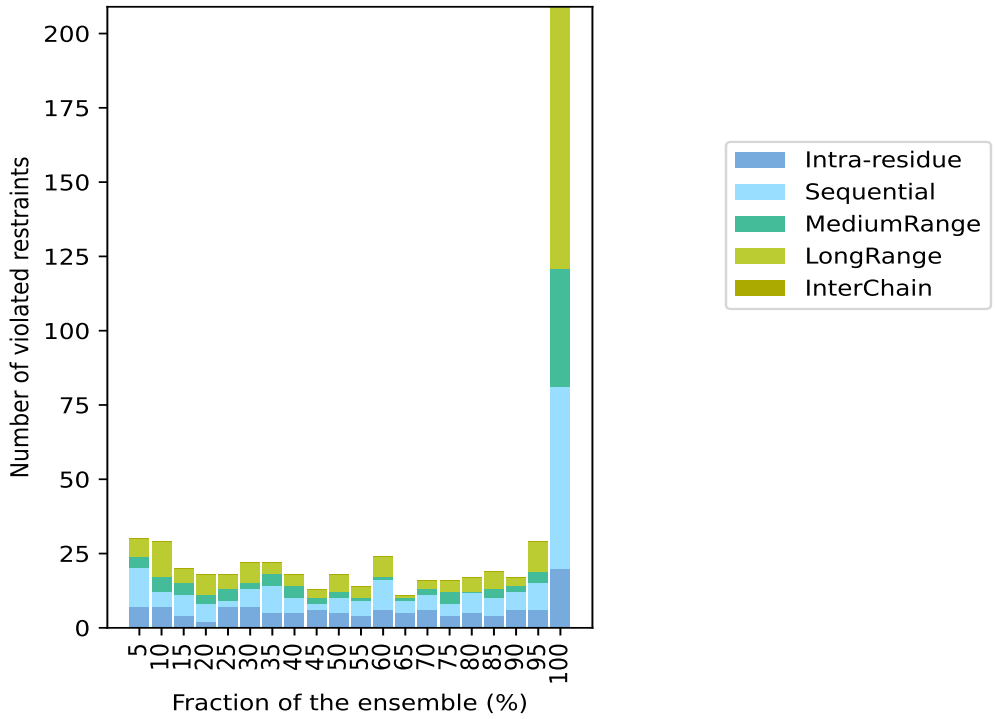
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 956(IR:588, SQ:199, MR:76, LR:93, 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]	%
7	13	4	6	0	30	1	5.0
7	5	5	12	0	29	2	10.0
4	7	4	5	0	20	3	15.0
2	6	3	7	0	18	4	20.0
7	2	4	5	0	18	5	25.0
7	6	2	7	0	22	6	30.0
5	9	4	4	0	22	7	35.0
5	5	4	4	0	18	8	40.0
6	2	2	3	0	13	9	45.0
5	5	2	6	0	18	10	50.0
4	5	1	4	0	14	11	55.0
6	10	1	7	0	24	12	60.0
5	4	1	1	0	11	13	65.0
6	5	2	3	0	16	14	70.0
4	4	4	4	0	16	15	75.0
5	7	0	5	0	17	16	80.0
4	6	3	6	0	19	17	85.0
6	6	2	3	0	17	18	90.0
6	9	4	10	0	29	19	95.0
20	61	40	88	0	209	20	100.0

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

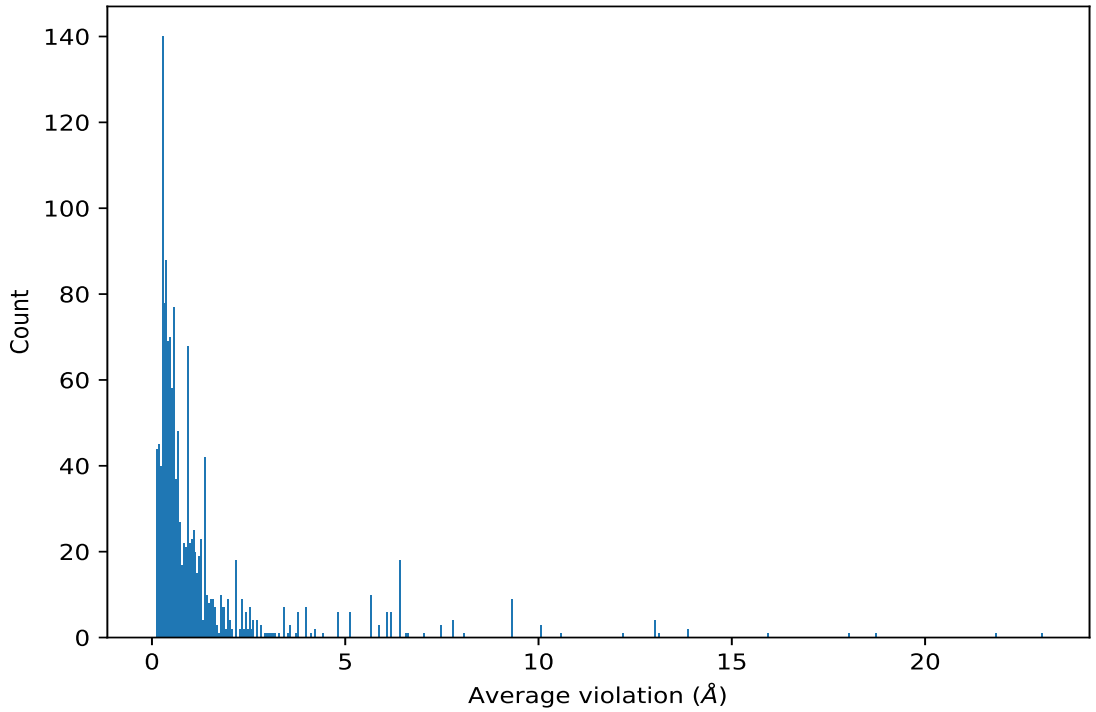
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	20	23.04	0.44	23.06
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	20	21.8	0.44	21.64
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	20	18.71	0.22	18.72
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	20	18.03	0.78	18.09
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	20	15.9	0.64	15.94
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	20	13.89	1.22	13.88
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	20	13.89	1.22	13.88
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	20	13.13	0.5	13.16
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	20	13.04	0.62	13.06
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	20	13.04	0.62	13.06
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	20	13.04	0.62	13.06
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	20	13.04	0.62	13.06
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	20	12.2	0.64	12.24
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	20	10.59	0.66	10.96
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	20	10.08	0.27	10.0
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	20	10.08	0.27	10.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	20	10.08	0.27	10.0
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	20	9.3	1.22	9.63
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	20	9.3	1.22	9.63
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	20	8.08	0.57	7.98
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	20	7.8	0.4	7.82
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	20	7.8	0.4	7.82
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	20	7.8	0.4	7.82
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	20	7.8	0.4	7.82
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	20	7.47	0.62	7.44
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	20	7.47	0.62	7.44
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	20	7.47	0.62	7.44
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	20	7.01	0.45	7.26
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	20	6.61	0.7	6.71
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	20	6.58	0.33	6.6
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	20	6.43	0.64	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	20	6.43	0.64	6.28
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	20	6.18	0.59	6.14
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	20	6.18	0.59	6.14
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	20	6.18	0.59	6.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	20	6.18	0.59	6.14
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	20	6.18	0.59	6.14
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	20	6.18	0.59	6.14
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	20	6.09	0.75	6.53
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	20	5.88	0.16	5.86
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	20	5.88	0.16	5.86
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	20	5.88	0.16	5.86
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	20	5.69	0.12	5.72
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	20	5.66	0.51	5.64
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	20	5.66	0.51	5.64
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	20	5.11	0.74	5.47
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	20	4.85	0.74	5.24
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	20	4.4	0.23	4.41
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	20	4.21	0.99	4.44
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	20	4.21	0.99	4.44
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	20	4.14	0.08	4.14
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	20	3.98	0.07	4.0
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	20	3.97	0.44	4.06
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	20	3.97	0.44	4.06
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	20	3.97	0.44	4.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	20	3.97	0.44	4.06
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	20	3.97	0.44	4.06
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	20	3.97	0.44	4.06
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	20	3.78	0.33	3.87
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	20	3.78	0.33	3.87
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	20	3.78	0.33	3.87
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	20	3.78	0.33	3.87
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	20	3.78	0.33	3.87
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	20	3.78	0.33	3.87
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	20	3.72	0.17	3.7
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	20	3.57	0.52	3.52
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	20	3.57	0.52	3.52
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	20	3.57	0.52	3.52
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	20	3.54	0.51	3.21
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	20	3.43	0.19	3.53
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	20	3.42	0.15	3.51
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	20	3.42	0.64	3.18
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	20	3.42	0.64	3.18
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	20	3.41	0.41	3.5
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	20	3.41	0.42	3.59
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	20	3.41	0.07	3.43
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	20	3.27	0.84	3.78
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	20	3.17	0.01	3.18
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	20	3.14	0.49	3.3
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	20	3.09	0.27	3.22
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	20	3.02	0.13	3.04
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	20	2.97	0.07	2.98
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	20	2.91	0.18	2.9
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	20	2.81	0.22	2.86
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	20	2.81	0.22	2.86
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	20	2.81	0.22	2.86
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	20	2.7	0.06	2.7
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	20	2.7	0.06	2.7
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	20	2.7	0.06	2.7
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	20	2.7	0.02	2.69
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	20	2.62	0.08	2.6
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	20	2.6	0.81	2.87
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	20	2.6	0.81	2.87
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	20	2.6	0.81	2.87
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	20	2.59	0.03	2.6
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	20	2.59	0.02	2.58
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	20	2.54	0.06	2.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	20	2.53	0.73	2.8
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	20	2.53	0.73	2.8
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	20	2.52	0.01	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	20	2.51	0.12	2.55
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	20	2.51	0.12	2.55
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	20	2.51	0.12	2.55
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	20	2.46	0.46	2.8
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	20	2.46	0.46	2.8
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	20	2.41	0.6	2.7
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	20	2.4	1.08	2.53
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	20	2.4	1.08	2.53
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	20	2.34	0.56	2.11
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	20	2.34	0.23	2.4
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	20	2.32	0.03	2.34
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	20	2.31	0.59	2.62
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	20	2.31	0.59	2.62
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	20	2.27	1.08	1.57
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	20	2.26	0.34	2.18
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	20	2.19	0.5	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	20	2.19	0.5	2.5
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	20	2.19	0.07	2.19
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	20	2.19	0.28	2.26
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	20	2.18	0.25	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	20	2.15	0.37	2.21
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	20	2.15	0.37	2.21
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	20	2.15	0.37	2.21
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	20	2.15	0.37	2.21
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	20	2.15	0.37	2.21
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	20	2.15	0.37	2.21
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	20	2.09	0.23	2.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	20	2.08	0.22	2.08
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	20	2.01	0.07	2.0
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	20	2.0	0.77	1.82
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	20	2.0	0.77	1.82
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	20	2.0	0.77	1.82
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	20	1.98	0.7	1.65
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	20	1.98	0.7	1.65
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	20	1.98	0.7	1.65
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	20	1.98	0.7	1.65
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	20	1.98	0.7	1.65
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	20	1.98	0.7	1.65
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	20	1.95	0.07	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	20	1.95	0.07	1.97
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	20	1.9	0.08	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	20	1.9	0.08	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	20	1.9	0.08	1.88
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	20	1.89	0.1	1.92
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	20	1.83	0.15	1.85
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	20	1.83	0.15	1.85
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	20	1.83	0.15	1.85
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	20	1.82	0.07	1.81
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	20	1.81	0.73	2.2
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	20	1.81	0.73	2.2
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	20	1.81	0.34	1.81
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	20	1.78	0.46	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	20	1.78	0.46	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	20	1.78	0.46	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	20	1.78	0.46	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	20	1.78	0.46	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	20	1.78	0.46	1.86
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	20	1.77	0.47	1.64
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	20	1.76	0.19	1.81
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	20	1.76	0.19	1.81
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	20	1.76	0.19	1.81
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	20	1.74	0.07	1.74
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	20	1.69	0.27	1.57
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	20	1.68	0.03	1.67
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	20	1.67	0.81	1.26
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	20	1.64	0.64	1.62
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	20	1.64	0.64	1.62
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	20	1.64	0.64	1.62
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	20	1.59	0.01	1.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	20	1.58	0.76	1.99
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	20	1.58	0.76	1.99
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	20	1.58	0.76	1.99
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	20	1.57	0.02	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	20	1.57	0.02	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	20	1.57	0.02	1.57
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	20	1.56	0.47	1.5
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	20	1.55	0.18	1.62
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	20	1.53	0.21	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	20	1.53	0.21	1.64
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	20	1.51	0.18	1.6
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	20	1.51	0.07	1.54
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	20	1.48	0.16	1.49
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	20	1.48	0.24	1.56
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	20	1.48	0.24	1.56
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	20	1.48	0.4	1.32
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	20	1.48	0.09	1.5
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	20	1.48	0.1	1.48
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	20	1.48	0.1	1.48
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	20	1.46	0.04	1.45
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	20	1.44	0.1	1.47
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	20	1.42	0.22	1.52
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	20	1.42	0.22	1.52
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	20	1.42	0.22	1.52
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	20	1.42	0.22	1.52
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	20	1.42	0.22	1.52
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	20	1.42	0.22	1.52
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	20	1.4	0.5	1.25
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	20	1.4	0.15	1.5
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	20	1.38	0.22	1.49
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	20	1.38	0.39	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	20	1.38	0.39	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	20	1.38	0.39	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	20	1.36	0.39	1.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	20	1.36	0.39	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	20	1.36	0.39	1.6
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	20	1.36	0.24	1.5
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	20	1.35	0.12	1.38
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	20	1.32	0.07	1.32
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	20	1.32	0.07	1.32
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	20	1.32	0.07	1.32
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	20	1.27	0.25	1.38
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	20	1.27	0.25	1.38
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	20	1.27	0.25	1.38
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	20	1.25	0.21	1.31
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	20	1.25	0.21	1.31
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	20	1.25	0.71	1.04
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	20	1.24	0.3	1.27
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	20	1.24	0.02	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	20	1.24	0.39	1.14
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	20	1.24	0.39	1.14
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	20	1.24	0.39	1.14
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	20	1.24	0.39	1.14
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	20	1.24	0.39	1.14
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	20	1.24	0.39	1.14
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	20	1.23	0.14	1.25
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	20	1.22	0.15	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	20	1.19	0.1	1.2
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	20	1.19	0.1	1.2
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	20	1.19	0.23	1.08
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	20	1.18	0.02	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	20	1.18	0.02	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	20	1.18	0.02	1.19
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	20	1.18	0.24	1.21
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	20	1.15	0.16	1.12
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	20	1.15	0.16	1.12
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	20	1.15	0.16	1.12
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	20	1.14	0.06	1.14
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	20	1.11	0.08	1.08
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	20	1.11	0.35	1.32
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	20	1.11	0.14	1.05
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	20	1.11	0.14	1.05
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	20	1.1	0.17	1.14
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	20	1.1	0.34	1.1
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	20	1.08	0.07	1.12
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	20	1.08	0.57	0.82
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	20	1.08	0.57	0.82
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	20	1.05	0.08	1.06
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	20	1.02	0.05	1.02
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	20	1.01	0.19	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	20	1.01	0.19	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	20	1.01	0.19	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	20	1.01	0.19	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	20	1.01	0.19	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	20	1.01	0.19	1.03
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	20	1.0	0.04	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	20	1.0	0.04	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	20	0.99	0.05	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	20	0.99	0.05	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	20	0.99	0.05	1.0
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	20	0.96	0.04	0.95
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	20	0.93	0.12	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	20	0.91	0.38	0.78
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	20	0.91	0.38	0.78
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	20	0.91	0.34	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	20	0.91	0.34	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	20	0.91	0.34	1.1
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	20	0.86	0.26	0.86
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	20	0.84	0.03	0.83
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	20	0.81	0.2	0.7
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	20	0.81	0.42	0.66
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	20	0.8	0.07	0.8
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	20	0.78	0.04	0.79
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	20	0.78	0.03	0.78
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	20	0.75	0.34	0.76
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	20	0.72	0.02	0.72
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	20	0.71	0.17	0.76
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	20	0.71	0.03	0.71
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	20	0.69	0.25	0.8
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	20	0.69	0.25	0.8
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	20	0.68	0.13	0.65
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	20	0.68	0.13	0.65
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	20	0.67	0.24	0.76
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	20	0.67	0.24	0.76
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	20	0.67	0.24	0.76
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	20	0.67	0.24	0.76
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	20	0.67	0.24	0.76
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	20	0.67	0.24	0.76
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	20	0.66	0.24	0.65
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	20	0.66	0.02	0.66
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	20	0.65	0.21	0.71
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	20	0.61	0.03	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	20	0.61	0.03	0.62
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	20	0.61	0.27	0.44
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	20	0.58	0.19	0.56
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	20	0.57	0.08	0.61
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	20	0.56	0.01	0.56
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	20	0.55	0.11	0.57
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	20	0.55	0.05	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	20	0.54	0.01	0.54
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	20	0.54	0.05	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	20	0.54	0.05	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	20	0.54	0.05	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	20	0.54	0.05	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	20	0.54	0.05	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	20	0.54	0.05	0.52
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	20	0.54	0.03	0.54
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	20	0.54	0.03	0.54
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	20	0.52	0.04	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	20	0.52	0.03	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	20	0.52	0.03	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	20	0.52	0.03	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	20	0.5	0.08	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	20	0.5	0.08	0.51
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	20	0.5	0.11	0.4
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	20	0.49	0.07	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	20	0.49	0.07	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	20	0.49	0.09	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	20	0.49	0.09	0.51
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	20	0.49	0.05	0.5
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	20	0.49	0.09	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	20	0.49	0.09	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	20	0.49	0.09	0.47
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	20	0.48	0.07	0.47
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	20	0.47	0.03	0.48
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	20	0.46	0.19	0.5
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	20	0.44	0.1	0.44
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	20	0.44	0.12	0.42
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	0.44	0.07	0.46
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	20	0.44	0.05	0.46
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	20	0.44	0.01	0.44
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	20	0.43	0.15	0.52
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	20	0.4	0.07	0.38
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	20	0.38	0.12	0.34
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	20	0.37	0.03	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	20	0.36	0.0	0.36
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	20	0.35	0.07	0.36
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	20	0.35	0.07	0.36
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	20	0.35	0.07	0.36
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	20	0.3	0.1	0.32
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	20	0.28	0.05	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	20	0.28	0.02	0.27
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	20	0.26	0.1	0.22
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	20	0.23	0.05	0.25
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	20	0.22	0.02	0.23
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	20	0.21	0.02	0.22
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	20	0.21	0.01	0.2
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	20	0.21	0.01	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	20	0.21	0.01	0.21
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	20	0.2	0.04	0.23
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	20	0.18	0.03	0.17
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	20	0.16	0.04	0.13
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	20	0.16	0.06	0.12
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	19	2.31	1.07	2.47
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	19	2.31	1.07	2.47
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	19	2.31	1.07	2.47
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	19	2.31	1.07	2.47
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	19	1.98	0.61	2.12
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	19	1.98	0.61	2.12
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	19	1.98	0.61	2.12
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	19	1.9	0.93	2.5
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	19	1.9	0.93	2.5
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	19	1.6	0.55	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	19	1.6	0.55	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	19	1.6	0.55	1.52
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	19	1.38	0.39	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	19	1.38	0.39	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	19	1.38	0.39	1.61
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	19	1.24	0.43	1.35
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	19	1.24	0.43	1.35
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	19	1.24	0.43	1.35
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	19	1.1	0.46	1.21
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	19	1.03	0.32	0.97
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	19	1.03	0.23	1.08
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	19	0.97	0.63	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	19	0.97	0.63	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	19	0.96	0.37	1.18
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	19	0.96	0.37	1.18
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	19	0.93	0.34	0.81
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	19	0.86	0.12	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	19	0.86	0.12	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	19	0.86	0.12	0.78
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	19	0.85	0.26	0.95
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	19	0.85	0.26	0.95
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	19	0.85	0.26	0.95
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	19	0.66	0.38	0.48
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	19	0.66	0.38	0.48
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	19	0.66	0.38	0.48
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	19	0.64	0.14	0.64
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	19	0.64	0.14	0.64
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	19	0.64	0.14	0.64
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	19	0.64	0.18	0.65
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	19	0.64	0.18	0.65
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	19	0.56	0.3	0.54
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	19	0.56	0.3	0.54
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	19	0.49	0.19	0.52
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	19	0.47	0.08	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	19	0.46	0.09	0.5
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	19	0.46	0.07	0.49
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	19	0.46	0.07	0.49
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	19	0.46	0.07	0.49
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	19	0.41	0.07	0.43
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	19	0.41	0.07	0.43
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	19	0.38	0.06	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	19	0.38	0.06	0.4
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	19	0.36	0.14	0.36
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	19	0.36	0.14	0.36
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	19	0.36	0.14	0.36
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	19	0.31	0.09	0.27
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	19	0.25	0.11	0.22
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	19	0.25	0.02	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	19	0.25	0.02	0.26
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	19	0.21	0.04	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	18	1.42	0.37	1.56
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	18	1.42	0.37	1.56
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	18	1.42	0.37	1.56
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	18	1.16	0.38	1.25
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	18	1.16	0.38	1.25
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	18	1.16	0.52	1.38
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	18	0.87	0.57	0.45
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	18	0.87	0.57	0.45
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	18	0.87	0.57	0.45
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	18	0.84	0.17	0.84
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	18	0.84	0.19	0.87
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	18	0.83	0.29	0.99
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	18	0.65	0.24	0.74
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	18	0.58	0.08	0.62
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	18	0.58	0.08	0.62
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	18	0.58	0.08	0.62
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	18	0.53	0.23	0.54
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	18	0.53	0.23	0.54
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	18	0.53	0.23	0.54
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	18	0.53	0.23	0.54
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	18	0.53	0.23	0.54
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	18	0.53	0.23	0.54
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	18	0.52	0.03	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	18	0.52	0.03	0.52
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	18	0.5	0.14	0.53
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	18	0.5	0.14	0.53
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	18	0.5	0.14	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	18	0.5	0.04	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	18	0.5	0.04	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	18	0.5	0.04	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	18	0.5	0.04	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	18	0.5	0.04	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	18	0.5	0.04	0.52
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	18	0.42	0.1	0.45
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	18	0.14	0.01	0.14
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	18	0.12	0.0	0.12
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	18	0.11	0.0	0.11
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	17	1.27	0.45	1.51
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	17	1.19	0.35	1.2
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	17	1.19	0.35	1.2
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	17	0.98	0.85	0.42
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	17	0.98	0.85	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	17	0.98	0.85	0.42
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	17	0.91	0.21	0.95
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	17	0.91	0.42	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	17	0.91	0.42	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	17	0.91	0.42	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	17	0.91	0.42	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	17	0.91	0.42	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	17	0.91	0.42	0.85
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	17	0.89	0.39	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	17	0.89	0.39	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	17	0.89	0.39	0.76
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	17	0.86	0.35	0.8
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	17	0.79	0.39	0.76
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	17	0.71	0.33	0.65
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	17	0.57	0.33	0.61
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	17	0.43	0.11	0.5
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	17	0.38	0.11	0.41
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	17	0.36	0.07	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	17	0.31	0.08	0.34
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	17	0.31	0.08	0.34
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	17	0.31	0.08	0.34
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	17	0.26	0.14	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	17	0.26	0.14	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	17	0.26	0.14	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	17	0.26	0.14	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	17	0.26	0.14	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	17	0.26	0.14	0.19
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	17	0.22	0.03	0.23
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	17	0.17	0.02	0.17
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	17	0.16	0.02	0.17
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	17	0.14	0.04	0.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	16	1.35	0.19	1.36
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	16	1.35	0.19	1.36
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	16	1.35	0.19	1.36
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	16	1.35	0.19	1.36
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	16	1.35	0.19	1.36
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	16	1.35	0.19	1.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	16	1.3	0.32	1.46
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	16	1.15	0.5	1.5
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	16	1.03	0.96	0.66
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	16	1.03	0.96	0.66
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	16	0.75	0.45	0.62
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	16	0.6	0.25	0.58
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	16	0.58	0.12	0.64
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	16	0.55	0.31	0.69
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	16	0.54	0.09	0.51
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	16	0.52	0.17	0.57
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	16	0.46	0.04	0.46
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	16	0.44	0.11	0.48
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	16	0.43	0.1	0.48
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	16	0.43	0.1	0.48
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	16	0.38	0.09	0.43
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	16	0.36	0.15	0.42
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	16	0.36	0.15	0.42
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	16	0.36	0.15	0.42
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	16	0.36	0.15	0.42
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	16	0.36	0.15	0.42
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	16	0.36	0.15	0.42
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	16	0.35	0.11	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	16	0.35	0.11	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	16	0.35	0.11	0.36
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	16	0.31	0.07	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	16	0.31	0.07	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	16	0.31	0.07	0.3
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	15	0.94	0.42	0.9
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	15	0.92	0.51	0.85
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	15	0.73	0.19	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	15	0.73	0.19	0.76
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	15	0.71	0.48	0.61
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	15	0.71	0.48	0.61
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	15	0.71	0.48	0.61
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	15	0.67	0.29	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	15	0.67	0.29	0.69
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	15	0.67	0.29	0.69
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	15	0.62	0.54	0.36
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	15	0.53	0.19	0.61
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	15	0.5	0.22	0.43
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	15	0.5	0.02	0.51
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	15	0.43	0.12	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	15	0.43	0.12	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	15	0.43	0.12	0.47
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	15	0.4	0.08	0.41
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	15	0.4	0.1	0.42
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	15	0.4	0.1	0.42
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	15	0.34	0.06	0.35
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	15	0.34	0.14	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	15	0.32	0.11	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	15	0.32	0.11	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	15	0.32	0.11	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	15	0.32	0.11	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	15	0.32	0.11	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	15	0.32	0.11	0.36
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	15	0.32	0.24	0.21
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	14	1.85	0.06	1.86
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	14	1.6	0.39	1.69
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	14	1.4	0.95	1.06
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	14	1.4	0.95	1.06
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	14	1.35	0.23	1.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	14	1.35	0.23	1.46
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	14	1.35	0.23	1.46
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	14	1.24	0.87	1.68
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	14	1.24	0.87	1.68
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	14	1.24	0.87	1.68
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	14	0.97	0.59	1.18
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	14	0.93	0.24	0.96
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	14	0.93	0.24	0.96
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	14	0.81	0.31	0.83
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	14	0.81	0.31	0.83
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	14	0.81	0.31	0.83
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	14	0.81	0.31	0.83
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	14	0.81	0.31	0.83
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	14	0.81	0.31	0.83
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	14	0.67	0.37	0.52
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	14	0.57	0.37	0.42
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	14	0.47	0.04	0.48
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	14	0.46	0.07	0.48
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	14	0.46	0.07	0.48
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	14	0.32	0.13	0.33
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	14	0.32	0.13	0.33
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	14	0.27	0.05	0.29
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	14	0.27	0.05	0.29
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	14	0.27	0.05	0.29
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	14	0.23	0.07	0.23
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	14	0.13	0.01	0.14
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	13	1.39	0.34	1.61
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	13	1.39	0.34	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	13	1.39	0.34	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	13	1.39	0.34	1.61
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	13	1.06	0.6	1.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	13	1.06	0.6	1.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	13	1.06	0.6	1.41
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	13	1.01	0.66	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	13	1.01	0.66	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	13	1.01	0.66	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	13	1.01	0.66	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	13	1.01	0.66	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	13	1.01	0.66	0.78
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	13	0.78	0.05	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	13	0.78	0.05	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	13	0.78	0.05	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	13	0.78	0.05	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	13	0.78	0.05	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	13	0.78	0.05	0.76
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	13	0.53	0.09	0.5
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	13	0.39	0.12	0.42
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	13	0.33	0.11	0.34
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	13	0.29	0.12	0.25
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	13	0.29	0.12	0.25
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	13	0.26	0.14	0.25
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	13	0.24	0.06	0.24
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	13	0.19	0.05	0.21
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	12	1.12	0.24	1.18
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	12	1.12	0.24	1.18
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	12	1.06	0.1	1.13
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	12	1.06	0.1	1.13
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	12	0.93	0.49	0.97
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	12	0.91	0.69	0.61
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	12	0.91	0.69	0.61
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	12	0.91	0.69	0.61
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	12	0.9	0.49	0.85
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	12	0.9	0.49	0.85
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	12	0.86	0.08	0.88
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	12	0.67	0.39	0.95
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	12	0.59	0.44	0.52
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	12	0.59	0.44	0.52
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	12	0.56	0.34	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	12	0.56	0.34	0.42
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	12	0.56	0.34	0.42
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	12	0.48	0.08	0.46
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	12	0.48	0.08	0.46
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	12	0.48	0.08	0.46
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	12	0.47	0.07	0.48
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	12	0.44	0.06	0.43
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	12	0.41	0.11	0.46
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	12	0.4	0.04	0.4
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	12	0.32	0.02	0.32
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	12	0.3	0.16	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	12	0.3	0.04	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	12	0.3	0.04	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	12	0.3	0.04	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.3	0.04	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.3	0.04	0.3
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.3	0.04	0.3
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	12	0.29	0.12	0.29
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	12	0.22	0.07	0.24
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	12	0.22	0.07	0.24
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	12	0.19	0.15	0.15
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	12	0.16	0.03	0.16
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	12	0.15	0.01	0.15
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	12	0.15	0.05	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	12	0.15	0.05	0.13
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	12	0.13	0.01	0.13
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	11	1.21	0.38	1.36
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	11	1.21	0.38	1.36
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	11	1.21	0.38	1.36
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	11	1.11	0.38	1.24
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	11	1.11	0.38	1.24
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	11	1.11	0.38	1.24
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	11	0.86	0.26	0.84
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	11	0.74	0.48	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	11	0.74	0.48	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	11	0.74	0.48	0.66
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	11	0.69	0.45	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	11	0.69	0.45	0.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	11	0.69	0.45	0.49
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	11	0.68	0.22	0.73
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	11	0.68	0.22	0.73
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	11	0.68	0.22	0.73
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	11	0.49	0.06	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	11	0.49	0.06	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	11	0.49	0.06	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	11	0.49	0.06	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	11	0.49	0.06	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	11	0.49	0.06	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	11	0.45	0.03	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	11	0.45	0.03	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	11	0.45	0.03	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	11	0.45	0.03	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	11	0.45	0.03	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	11	0.45	0.03	0.47
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	11	0.43	0.2	0.49
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	11	0.4	0.13	0.37
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	11	0.21	0.05	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	11	0.21	0.05	0.23
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	11	0.2	0.05	0.19
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	11	0.12	0.0	0.12
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	11	0.12	0.01	0.11
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	10	0.94	0.09	0.98
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	10	0.87	0.41	0.8
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	10	0.87	0.41	0.8
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	10	0.87	0.41	0.8
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	10	0.83	0.62	0.75
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	10	0.83	0.62	0.75
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	10	0.83	0.62	0.75
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	10	0.83	0.62	0.75
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	10	0.83	0.62	0.75
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	10	0.83	0.62	0.75
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	10	0.64	0.22	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	10	0.64	0.22	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	10	0.64	0.22	0.64
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	10	0.57	0.3	0.45
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	10	0.57	0.3	0.45
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	10	0.57	0.3	0.45
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	10	0.53	0.29	0.5
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	10	0.53	0.29	0.5
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	10	0.53	0.29	0.5
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	10	0.53	0.29	0.5
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	10	0.53	0.29	0.5
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	10	0.53	0.29	0.5
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	10	0.49	0.05	0.5
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	10	0.46	0.36	0.32
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	10	0.46	0.36	0.32
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	10	0.39	0.14	0.46
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	10	0.39	0.14	0.46
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	10	0.39	0.14	0.46
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	10	0.39	0.14	0.46
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	10	0.39	0.14	0.46
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	10	0.39	0.14	0.46
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	10	0.38	0.21	0.29
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	10	0.38	0.21	0.29
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	10	0.38	0.21	0.29
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	10	0.37	0.11	0.34
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	10	0.37	0.11	0.34
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	10	0.37	0.11	0.34
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	10	0.34	0.29	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	10	0.34	0.29	0.21
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	10	0.28	0.12	0.26
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	10	0.28	0.12	0.26
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	10	0.28	0.12	0.26
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	10	0.28	0.12	0.26
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	10	0.28	0.12	0.26
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	10	0.28	0.12	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	10	0.27	0.14	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	10	0.27	0.14	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	10	0.27	0.14	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	10	0.27	0.14	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	10	0.27	0.14	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	10	0.27	0.14	0.26
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	10	0.26	0.16	0.2
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	10	0.24	0.1	0.2
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	10	0.18	0.04	0.19
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	10	0.16	0.01	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	10	0.16	0.01	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	10	0.16	0.01	0.16
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	9	1.09	0.6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	9	1.09	0.6	1.34
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	9	0.95	0.59	1.22
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	9	0.95	0.59	1.22
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	9	0.95	0.59	1.22
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	9	0.68	0.21	0.77
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	9	0.61	0.27	0.46
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	9	0.61	0.27	0.46
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	9	0.61	0.27	0.46
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	9	0.56	0.26	0.7
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	9	0.54	0.26	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	9	0.51	0.08	0.51
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	9	0.51	0.08	0.51
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	9	0.51	0.08	0.51
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	9	0.47	0.2	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	9	0.47	0.2	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	9	0.47	0.2	0.35
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	9	0.44	0.23	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	9	0.44	0.23	0.46
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	9	0.35	0.12	0.35
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	9	0.35	0.12	0.35
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	9	0.35	0.12	0.35
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	9	0.33	0.09	0.31
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	9	0.24	0.11	0.2
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	9	0.18	0.07	0.13
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	9	0.18	0.07	0.13
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	8	1.19	0.26	1.27
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	8	1.19	0.26	1.27
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	8	1.19	0.26	1.27
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	8	1.14	0.21	1.25
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	8	1.14	0.21	1.25
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	8	1.14	0.21	1.25
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	8	0.93	0.0	0.93
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	8	0.9	0.0	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	8	0.9	0.0	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	8	0.9	0.0	0.9
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	8	0.61	0.01	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	8	0.59	0.38	0.55
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	8	0.59	0.38	0.55
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	8	0.59	0.38	0.55
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	8	0.58	0.01	0.59
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	8	0.57	0.03	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	8	0.57	0.03	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	8	0.57	0.03	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	8	0.57	0.03	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	8	0.57	0.03	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	8	0.57	0.03	0.57
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	8	0.55	0.15	0.5
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	8	0.55	0.15	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	8	0.37	0.11	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	8	0.37	0.11	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	8	0.37	0.11	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	8	0.37	0.11	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	8	0.37	0.11	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	8	0.37	0.11	0.38
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	8	0.35	0.09	0.34
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	8	0.35	0.13	0.37
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	8	0.35	0.13	0.37
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	8	0.33	0.12	0.34
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	8	0.3	0.13	0.24
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	8	0.29	0.03	0.3
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	8	0.26	0.1	0.25
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	8	0.23	0.05	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	8	0.23	0.05	0.22
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	8	0.11	0.01	0.11
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	7	0.92	0.43	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	7	0.92	0.43	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	7	0.92	0.43	0.86
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	7	0.71	0.39	0.75
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	7	0.65	0.47	0.97
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	7	0.62	0.5	0.39
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	7	0.62	0.5	0.39
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	7	0.62	0.5	0.39
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	7	0.62	0.5	0.39
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	7	0.62	0.5	0.39
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	7	0.62	0.5	0.39
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	7	0.6	0.17	0.64
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	7	0.59	0.32	0.54
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	7	0.59	0.32	0.54
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	7	0.51	0.06	0.52
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	7	0.49	0.19	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	7	0.49	0.07	0.51
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	7	0.47	0.1	0.5
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	7	0.43	0.15	0.48
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	7	0.4	0.15	0.51
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	7	0.4	0.15	0.51
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	7	0.33	0.07	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	7	0.33	0.07	0.34
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	7	0.3	0.09	0.35
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	7	0.3	0.16	0.22
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	7	0.3	0.09	0.28
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	7	0.3	0.09	0.28
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	7	0.3	0.14	0.25
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	7	0.27	0.12	0.26
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	7	0.27	0.12	0.26
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	7	0.26	0.1	0.28
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	7	0.26	0.08	0.25
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	7	0.22	0.18	0.17
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	7	0.22	0.18	0.17
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	7	0.13	0.02	0.13
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	6	0.78	0.01	0.78
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	6	0.71	0.0	0.71
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	6	0.65	0.31	0.64
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	6	0.65	0.31	0.64
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	6	0.65	0.31	0.64
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	6	0.55	0.02	0.56
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	6	0.49	0.24	0.5
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	6	0.48	0.05	0.5
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	6	0.48	0.05	0.5
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	6	0.48	0.18	0.51
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	6	0.45	0.17	0.53
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	6	0.42	0.27	0.34
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	6	0.39	0.16	0.34
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	6	0.39	0.16	0.34
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	6	0.39	0.16	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	6	0.36	0.06	0.37
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	6	0.36	0.06	0.37
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	6	0.36	0.06	0.37
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	6	0.36	0.06	0.37
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	6	0.36	0.06	0.37
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	6	0.36	0.06	0.37
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	6	0.32	0.15	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	6	0.32	0.13	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	6	0.32	0.13	0.34
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	6	0.32	0.13	0.34
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	6	0.32	0.13	0.34
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	6	0.32	0.13	0.34
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	6	0.32	0.13	0.34
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	6	0.32	0.09	0.37
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	6	0.32	0.09	0.37
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	6	0.32	0.09	0.37
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	6	0.29	0.09	0.26
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	6	0.27	0.06	0.27
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	6	0.25	0.02	0.26
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	6	0.23	0.11	0.19
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	6	0.23	0.11	0.19
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	6	0.21	0.06	0.21
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	6	0.21	0.06	0.21
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	6	0.16	0.02	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	6	0.16	0.02	0.16
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	6	0.16	0.03	0.16
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	5	1.0	0.15	1.05
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	5	1.0	0.15	1.05
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	5	1.0	0.15	1.05
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	5	0.59	0.37	0.63
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	5	0.59	0.37	0.63
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	5	0.59	0.35	0.54
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	5	0.59	0.35	0.54
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	5	0.59	0.35	0.54
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	5	0.56	0.01	0.56
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	5	0.48	0.12	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	5	0.48	0.12	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	5	0.48	0.12	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	5	0.48	0.12	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	5	0.48	0.12	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	5	0.48	0.12	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	5	0.4	0.15	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	5	0.4	0.15	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	5	0.4	0.15	0.45
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	5	0.37	0.04	0.35
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	5	0.34	0.03	0.35
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	5	0.34	0.03	0.35
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	5	0.33	0.09	0.38
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	5	0.33	0.09	0.38
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	5	0.32	0.15	0.34
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	5	0.32	0.15	0.34
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	5	0.32	0.08	0.31
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	5	0.28	0.1	0.27
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	5	0.28	0.1	0.27
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	5	0.28	0.1	0.27
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	5	0.28	0.11	0.23
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	5	0.28	0.11	0.23
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	5	0.25	0.08	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	5	0.25	0.08	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	5	0.25	0.08	0.3
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	5	0.21	0.17	0.14
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	5	0.18	0.07	0.18
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	5	0.14	0.03	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	5	0.12	0.0	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	5	0.12	0.0	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	5	0.12	0.0	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	5	0.12	0.0	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	5	0.12	0.0	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	5	0.12	0.0	0.12
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG21	4	0.96	0.15	0.96
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG22	4	0.96	0.15	0.96
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG23	4	0.96	0.15	0.96
(1,930)	1:49:A:LEU:HD11	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,930)	1:49:A:LEU:HD12	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,930)	1:49:A:LEU:HD13	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,930)	1:49:A:LEU:HD21	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,930)	1:49:A:LEU:HD22	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,930)	1:49:A:LEU:HD23	1:56:A:ALA:HA	4	0.59	0.4	0.6
(1,652)	1:36:A:VAL:HG11	1:37:A:ARG:HG2	4	0.5	0.04	0.52
(1,652)	1:36:A:VAL:HG12	1:37:A:ARG:HG2	4	0.5	0.04	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,652)	1:36:A:VAL:HG13	1:37:A:ARG:HG2	4	0.5	0.04	0.52
(1,652)	1:36:A:VAL:HG21	1:37:A:ARG:HG2	4	0.5	0.04	0.52
(1,652)	1:36:A:VAL:HG22	1:37:A:ARG:HG2	4	0.5	0.04	0.52
(1,652)	1:36:A:VAL:HG23	1:37:A:ARG:HG2	4	0.5	0.04	0.52
(1,1040)	1:58:A:GLN:H	1:56:A:ALA:H	4	0.48	0.16	0.5
(1,18)	1:4:A:ARG:HA	1:4:A:ARG:HG2	4	0.44	0.06	0.44
(1,258)	1:17:A:VAL:HG11	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,258)	1:17:A:VAL:HG12	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,258)	1:17:A:VAL:HG13	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,258)	1:17:A:VAL:HG21	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,258)	1:17:A:VAL:HG22	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,258)	1:17:A:VAL:HG23	1:7:A:GLU:HG2	4	0.42	0.11	0.44
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG21	4	0.42	0.09	0.45
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG22	4	0.42	0.09	0.45
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG23	4	0.42	0.09	0.45
(1,1233)	1:68:A:ARG:H	1:68:A:ARG:HB3	4	0.39	0.17	0.46
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE21	4	0.38	0.13	0.4
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE22	4	0.38	0.13	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD11	4	0.36	0.1	0.34
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD12	4	0.36	0.1	0.34
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD13	4	0.36	0.1	0.34
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD21	4	0.36	0.1	0.34
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD22	4	0.36	0.1	0.34
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD23	4	0.36	0.1	0.34
(1,1407)	1:74:A:LEU:HD11	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1407)	1:74:A:LEU:HD12	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1407)	1:74:A:LEU:HD13	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1407)	1:74:A:LEU:HD21	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1407)	1:74:A:LEU:HD22	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1407)	1:74:A:LEU:HD23	1:48:A:LEU:HA	4	0.36	0.16	0.4
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD21	4	0.34	0.14	0.38
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD22	4	0.34	0.14	0.38
(1,111)	1:7:A:GLU:HG2	1:73:A:LYS:HA	4	0.31	0.12	0.3
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG21	4	0.25	0.15	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG22	4	0.25	0.15	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG23	4	0.25	0.15	0.2
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG2	4	0.25	0.11	0.24
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG3	4	0.25	0.11	0.24
(1,1012)	1:57:A:GLU:HA	1:47:A:TYR:HA	4	0.18	0.07	0.16
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG2	4	0.12	0.02	0.12
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG3	4	0.12	0.02	0.12
(1,224)	1:16:A:THR:H	1:17:A:VAL:HA	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1293)	1:70:A:ILE:HA	1:6:A:ILE:HB	3	0.57	0.25	0.49
(1,1283)	1:70:A:ILE:H	1:70:A:ILE:HB	3	0.56	0.01	0.55
(1,1301)	1:70:A:ILE:HD11	1:70:A:ILE:HB	3	0.43	0.0	0.43
(1,1301)	1:70:A:ILE:HD12	1:70:A:ILE:HB	3	0.43	0.0	0.43
(1,1301)	1:70:A:ILE:HD13	1:70:A:ILE:HB	3	0.43	0.0	0.43
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG21	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG22	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG23	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG21	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG22	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG23	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG21	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG22	3	0.35	0.0	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG23	3	0.35	0.0	0.35
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD1	3	0.34	0.13	0.43
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD2	3	0.34	0.13	0.43
(1,1411)	1:75:A:LYS:H	1:74:A:LEU:HB3	3	0.31	0.14	0.22
(1,704)	1:40:A:ASP:H	1:43:A:LYS:HB3	3	0.29	0.01	0.29
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG23	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG23	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG23	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG23	3	0.29	0.14	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG23	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG11	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG12	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG13	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG21	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG22	3	0.29	0.14	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG23	3	0.29	0.14	0.26
(1,916)	1:49:A:LEU:H	1:74:A:LEU:HA	3	0.26	0.07	0.29
(1,1048)	1:59:A:PRO:HA	1:47:A:TYR:HA	3	0.26	0.08	0.29
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD11	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD12	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD13	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD11	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD12	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD13	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD11	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD12	3	0.25	0.0	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD13	3	0.25	0.0	0.25
(1,1108)	1:62:A:LEU:H	1:61:A:SER:HB2	3	0.22	0.08	0.27
(1,313)	1:20:A:VAL:H	1:5:A:THR:HA	3	0.18	0.07	0.14
(1,411)	1:25:A:THR:H	1:28:A:GLU:HB2	3	0.17	0.05	0.19
(1,448)	1:27:A:LYS:H	1:26:A:LEU:HG	3	0.16	0.04	0.15
(1,1086)	1:61:A:SER:H	1:64:A:HIS:HB2	3	0.16	0.03	0.17
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB2	3	0.15	0.03	0.14
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB3	3	0.15	0.03	0.14
(1,503)	1:29:A:ALA:H	1:28:A:GLU:HB2	3	0.14	0.03	0.13
(1,913)	1:49:A:LEU:H	1:48:A:LEU:HB2	3	0.14	0.02	0.15
(1,1124)	1:63:A:ASN:H	1:62:A:LEU:HB2	3	0.13	0.01	0.12
(1,40)	1:5:A:THR:H	1:3:A:ASP:HA	2	1.04	0.38	1.04
(1,1510)	1:79:A:LEU:HD11	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,1510)	1:79:A:LEU:HD12	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,1510)	1:79:A:LEU:HD13	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,1510)	1:79:A:LEU:HD21	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,1510)	1:79:A:LEU:HD22	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,1510)	1:79:A:LEU:HD23	1:45:A:GLN:HB2	2	0.74	0.29	0.74
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD11	2	0.66	0.0	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD12	2	0.66	0.0	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD13	2	0.66	0.0	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD21	2	0.66	0.0	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD22	2	0.66	0.0	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD23	2	0.66	0.0	0.66
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE2	2	0.52	0.01	0.52
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE3	2	0.52	0.01	0.52
(1,1068)	1:60:A:LEU:H	1:47:A:TYR:HB2	2	0.4	0.18	0.4
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG21	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG22	2	0.36	0.02	0.36
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG23	2	0.36	0.02	0.36
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD21	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD22	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD23	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD21	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD22	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD23	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD21	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD22	2	0.36	0.15	0.36
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD23	2	0.36	0.15	0.36
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD11	2	0.34	0.24	0.34
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD12	2	0.34	0.24	0.34
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD13	2	0.34	0.24	0.34
(1,45)	1:5:A:THR:H	1:3:A:ASP:HB3	2	0.32	0.1	0.32
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG2	2	0.31	0.18	0.31
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG3	2	0.31	0.18	0.31
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG2	2	0.31	0.18	0.31
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG3	2	0.31	0.18	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD11	2	0.3	0.02	0.3
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD12	2	0.3	0.02	0.3
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD13	2	0.3	0.02	0.3
(1,968)	1:53:A:ASP:H	1:53:A:ASP:HB2	2	0.3	0.01	0.3
(1,193)	1:14:A:GLN:H	1:14:A:GLN:HB3	2	0.29	0.12	0.29
(1,963)	1:52:A:GLY:H	1:51:A:SER:HG	2	0.29	0.13	0.29
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD11	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD12	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD13	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD21	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD22	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD23	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD11	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD12	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD13	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD21	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD22	2	0.28	0.03	0.28
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD23	2	0.28	0.03	0.28
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG11	2	0.26	0.16	0.26
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG12	2	0.26	0.16	0.26
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG13	2	0.26	0.16	0.26
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG21	2	0.26	0.16	0.26
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG22	2	0.26	0.16	0.26
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG23	2	0.26	0.16	0.26
(1,8)	1:4:A:ARG:H	1:5:A:THR:H	2	0.24	0.08	0.24
(1,953)	1:51:A:SER:H	1:50:A:LEU:HB3	2	0.24	0.12	0.24
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD11	2	0.21	0.08	0.21
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD12	2	0.21	0.08	0.21
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD13	2	0.21	0.08	0.21
(1,158)	1:10:A:LEU:HA	1:76:A:VAL:HB	2	0.18	0.01	0.18
(1,441)	1:26:A:LEU:HD11	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,441)	1:26:A:LEU:HD12	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,441)	1:26:A:LEU:HD13	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,441)	1:26:A:LEU:HD21	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,441)	1:26:A:LEU:HD22	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,441)	1:26:A:LEU:HD23	1:26:A:LEU:HA	2	0.16	0.01	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.16	0.01	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	0.16	0.01	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.16	0.01	0.16
(1,28)	1:4:A:ARG:HD2	1:4:A:ARG:HB3	2	0.16	0.01	0.16
(1,1396)	1:74:A:LEU:H	1:8:A:VAL:HA	2	0.16	0.05	0.16
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB2	2	0.15	0.04	0.15

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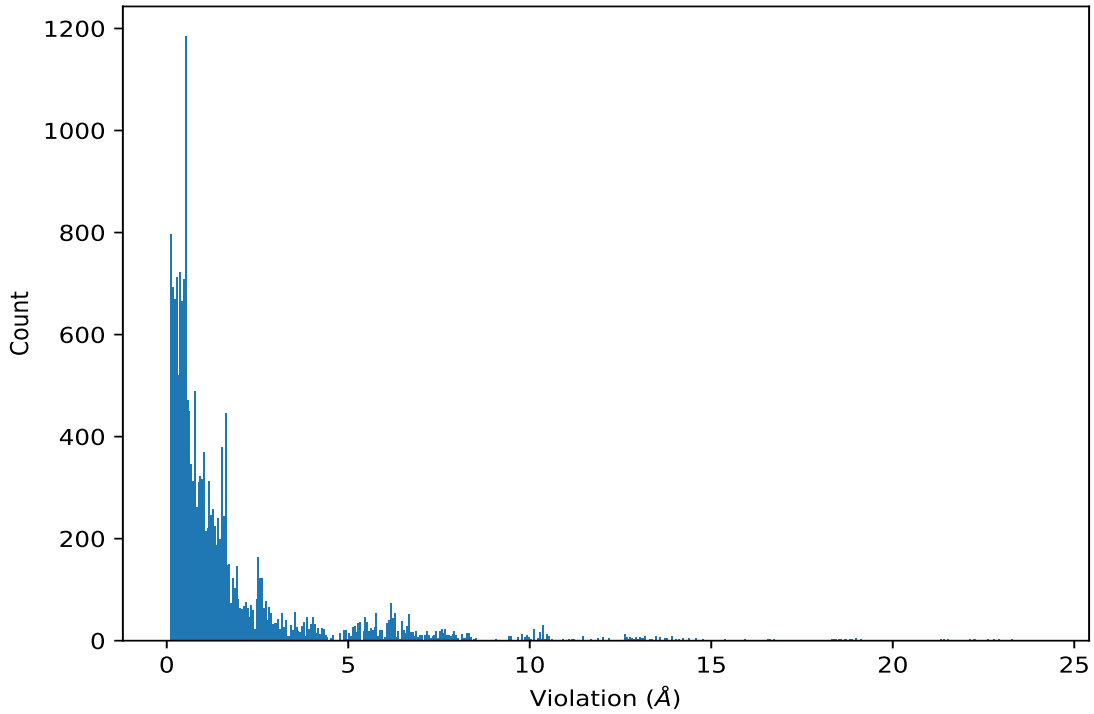
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB3	2	0.15	0.04	0.15
(1,857)	1:47:A:TYR:H	1:47:A:TYR:HB2	2	0.15	0.0	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD11	2	0.15	0.02	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD12	2	0.15	0.02	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD13	2	0.15	0.02	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD21	2	0.15	0.02	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD22	2	0.15	0.02	0.15
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD23	2	0.15	0.02	0.15
(1,784)	1:44:A:VAL:H	1:43:A:LYS:HB3	2	0.12	0.02	0.12
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD11	2	0.11	0.0	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD12	2	0.11	0.0	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD13	2	0.11	0.0	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD21	2	0.11	0.0	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD22	2	0.11	0.0	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD23	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)
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	13	24.17
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	2	23.45
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	7	23.43
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	11	23.35
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	18	23.27
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	1	23.26
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	20	23.25
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	14	23.23
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	16	23.19
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	4	23.13
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	17	22.99
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	5	22.93
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	12	22.93
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	3	22.88
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	8	22.79
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	19	22.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	6	22.7
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	15	22.6
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	1	22.6
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	4	22.6
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	7	22.28
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	15	22.27
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	9	22.24
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	16	22.2
(1,1060)	1:59:A:PRO:HG3	1:22:A:PRO:HG2	10	22.13
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	13	22.13
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	8	22.1
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	17	22.07
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	18	21.87
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	14	21.66
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	19	21.62
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	12	21.55
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	2	21.54
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	10	21.51
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	3	21.41
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	6	21.41
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	9	21.34
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	11	21.32
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	20	21.26
(1,177)	1:13:A:LYS:HB3	1:67:A:GLU:HA	5	21.18
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	9	19.15
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	11	19.14
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	8	19.12
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	9	19.01
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	17	18.99
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	19	18.98
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	4	18.97
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	20	18.97
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	8	18.89
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	10	18.88
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	5	18.84
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	12	18.83
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	13	18.83
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	1	18.73
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	18	18.71
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	2	18.67
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	11	18.67
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	6	18.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	19	18.57
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	14	18.56
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	7	18.52
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	16	18.5
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	3	18.44
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	14	18.43
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	13	18.41
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	15	18.38
(1,1476)	1:78:A:PRO:HB2	1:72:A:LYS:HA	7	18.37
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	20	18.32
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	3	18.31
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	12	18.1
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	4	18.08
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	1	18.04
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	17	17.8
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	18	17.76
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	2	17.58
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	15	17.52
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	5	17.15
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	16	17.04
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	17	16.72
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	6	16.7
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	4	16.68
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	8	16.62
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	8	16.62
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	11	16.61
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	1	16.56
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	10	16.55
(1,172)	1:13:A:LYS:H	1:31:A:LYS:HB2	6	16.51
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	18	16.41
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	13	16.39
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	7	16.26
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	19	16.0
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	20	15.96
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	12	15.91
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	1	15.91
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	1	15.91
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	2	15.82
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	8	15.75
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	15	15.67
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	9	15.64
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	16	15.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	16	15.38
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	3	15.3
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	10	15.27
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	5	14.97
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	17	14.77
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	17	14.77
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	14	14.75
(1,1526)	1:4:A:ARG:H	1:60:A:LEU:HB3	16	14.61
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	4	14.57
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	4	14.57
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	15	14.55
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	15	14.55
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	10	14.37
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	10	14.37
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	11	14.36
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	11	14.36
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	3	14.2
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	3	14.2
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	3	14.2
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	3	14.2
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	12	14.1
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	12	14.1
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	3	14.0
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	3	14.0
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	12	13.91
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	12	13.91
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	12	13.91
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	12	13.91
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	19	13.91
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	19	13.91
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	19	13.91
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	19	13.91
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	8	13.84
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	17	13.79
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	19	13.79
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	18	13.77
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	18	13.77
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	4	13.74
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	4	13.74
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	4	13.74
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	4	13.74
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	3	13.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	7	13.58
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	7	13.58
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	9	13.57
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	9	13.56
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	9	13.56
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	9	13.56
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	9	13.56
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	16	13.49
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	5	13.48
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	5	13.48
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	15	13.47
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	11	13.45
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	11	13.45
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	11	13.45
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	11	13.45
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	9	13.37
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	9	13.37
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	20	13.34
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	20	13.34
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	4	13.28
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	11	13.24
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	8	13.19
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	8	13.19
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	8	13.19
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	8	13.19
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	12	13.17
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	17	13.15
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	17	13.15
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	17	13.15
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	17	13.15
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	7	13.14
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	7	13.12
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	7	13.12
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	7	13.12
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	7	13.12
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	14	13.09
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	14	13.09
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	14	13.09
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	14	13.09
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	1	13.04
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	1	13.04
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	1	13.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	1	13.04
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	17	13.02
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	6	13.0
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	4	12.98
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	18	12.95
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	6	12.94
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	11	12.91
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	16	12.9
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	16	12.9
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	16	12.9
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	16	12.9
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	1	12.89
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	1	12.86
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	15	12.84
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	15	12.84
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	15	12.84
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	15	12.84
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	5	12.83
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	18	12.79
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	18	12.79
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	18	12.79
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	18	12.79
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	19	12.77
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	19	12.77
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	10	12.74
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	13	12.73
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	18	12.71
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	14	12.69
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	13	12.69
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	5	12.67
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	5	12.67
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	5	12.67
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	5	12.67
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	2	12.64
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	2	12.64
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	2	12.64
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	2	12.64
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	14	12.63
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	14	12.63
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	20	12.61
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	20	12.61
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	20	12.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	20	12.61
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	6	12.6
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	6	12.6
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	7	12.56
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	20	12.4
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	19	12.3
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	20	12.26
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	12	12.21
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	13	12.17
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	13	12.17
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	13	12.17
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	13	12.17
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	2	12.12
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	8	12.05
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	2	12.03
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	2	12.03
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	6	12.01
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	6	12.01
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	6	12.01
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	6	12.01
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	15	11.97
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	9	11.94
(1,497)	1:28:A:GLU:HB3	1:17:A:VAL:HB	2	11.86
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB2	10	11.85
(1,180)	1:13:A:LYS:HE2	1:32:A:LYS:HB3	10	11.85
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB2	10	11.85
(1,180)	1:13:A:LYS:HE3	1:32:A:LYS:HB3	10	11.85
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD2	13	11.66
(1,643)	1:36:A:VAL:H	1:73:A:LYS:HD3	13	11.66
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	3	11.6
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	10	11.57
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	10	11.47
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	10	11.47
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	10	11.47
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	10	11.47
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	10	11.47
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	10	11.47
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	10	11.47
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	10	11.47
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	10	11.47
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	18	11.4
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	5	11.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	5	11.24
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	16	11.21
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	9	11.19
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	6	11.15
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	19	11.15
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	3	11.12
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	20	11.09
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	14	11.06
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	14	11.05
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	8	10.99
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	17	10.94
(1,15)	1:4:A:ARG:H	1:60:A:LEU:HB3	16	10.91
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	18	10.63
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	18	10.63
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	18	10.63
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	11	10.5
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	11	10.5
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	11	10.5
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	11	10.5
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	11	10.5
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	11	10.5
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	11	10.5
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	11	10.5
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	11	10.5
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	15	10.47
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	15	10.47
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	15	10.47
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	5	10.46
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	5	10.46
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	5	10.46
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	5	10.46
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	5	10.46
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	5	10.46
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	5	10.46
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	5	10.46
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	5	10.46
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	9	10.43
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	9	10.43
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	9	10.43
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	1	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	1	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	1	10.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	1	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	1	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	1	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	1	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	1	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	1	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	2	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	2	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	2	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	2	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	2	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	2	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	2	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	2	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	2	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	3	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	3	10.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	3	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	3	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	3	10.39
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	3	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	3	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	3	10.39
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	3	10.39
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	2	10.35
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	2	10.35
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	2	10.35
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	6	10.31
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	6	10.31
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	6	10.31
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	4	10.29
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	4	10.29
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	4	10.29
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	15	10.28
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	16	10.28
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	16	10.28
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	16	10.28
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	15	10.27
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	15	10.27
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	15	10.27
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	15	10.27
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	15	10.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	15	10.27
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	15	10.27
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	15	10.27
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	15	10.27
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	13	10.23
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	1	10.21
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	1	10.21
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	1	10.21
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	19	10.12
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	19	10.12
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	19	10.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	19	10.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	19	10.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	19	10.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	19	10.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	19	10.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	19	10.12
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	4	10.12
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	11	10.12
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	12	10.11
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	12	10.11
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	12	10.11
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	20	10.1
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	20	10.1
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	20	10.1
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	20	10.1
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	20	10.1
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	20	10.1
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	20	10.1
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	20	10.1
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	20	10.1
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	5	10.02
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	5	10.02
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	5	10.02
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	17	9.97
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	17	9.97
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	17	9.97
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	3	9.96
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	3	9.96
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	3	9.96
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	1	9.94
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	2	9.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	20	9.93
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	20	9.93
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	20	9.93
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	14	9.92
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	14	9.92
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	14	9.92
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	13	9.91
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	13	9.91
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	13	9.91
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	7	9.89
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	7	9.89
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	7	9.89
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	10	9.89
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	10	9.89
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	10	9.89
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	10	9.79
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	11	9.79
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	11	9.79
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	11	9.79
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	13	9.77
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	13	9.77
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	13	9.77
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	13	9.77
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	13	9.77
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	13	9.77
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	13	9.77
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	13	9.77
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	13	9.77
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	12	9.68
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	8	9.66
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	8	9.66
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	8	9.66
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG21	19	9.65
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG22	19	9.65
(1,419)	1:25:A:THR:HB	1:5:A:THR:HG23	19	9.65
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	9	9.49
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	9	9.49
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	9	9.49
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	9	9.49
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	9	9.49
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	9	9.49
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	9	9.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	9	9.49
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	9	9.49
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	4	9.43
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	4	9.43
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	4	9.43
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	4	9.43
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	4	9.43
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	4	9.43
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	4	9.43
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	4	9.43
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	4	9.43
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	2	9.37
(1,843)	1:46:A:VAL:H	1:51:A:SER:H	7	9.08
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	13	9.08
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	14	8.9
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	20	8.68
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	17	8.53
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	17	8.53
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	17	8.53
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	17	8.53
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	8	8.46
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	8	8.46
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	8	8.46
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	15	8.39
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	15	8.39
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	15	8.39
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	15	8.39
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	9	8.39
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	9	8.39
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	9	8.39
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	17	8.34
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	17	8.34
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	17	8.34
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	17	8.34
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	17	8.34
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	17	8.34
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	17	8.34
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	17	8.34
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	17	8.34
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	15	8.33
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	7	8.32
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	7	8.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	7	8.32
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	7	8.32
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	16	8.29
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	16	8.29
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	16	8.29
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	16	8.29
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	16	8.29
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	16	8.29
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	16	8.29
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	16	8.29
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	16	8.29
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	5	8.26
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	14	8.25
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	14	8.25
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	14	8.25
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	4	8.25
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	4	8.2
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	4	8.2
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	4	8.2
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	4	8.2
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	13	8.15
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	13	8.15
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	13	8.15
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	8	8.15
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	7	8.13
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	7	8.13
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	7	8.13
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	7	8.12
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	7	8.12
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	7	8.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	7	8.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	7	8.12
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	7	8.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	7	8.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	7	8.12
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	7	8.12
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	16	8.07
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	13	8.03
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	16	8.02
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	16	8.02
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	16	8.02
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	16	8.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	1	7.99
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	1	7.99
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	1	7.99
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	1	7.99
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	18	7.99
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	3	7.98
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	3	7.98
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	3	7.98
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	3	7.98
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	19	7.97
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	9	7.95
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	14	7.94
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	14	7.94
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	14	7.94
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	14	7.94
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	14	7.94
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	14	7.94
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	14	7.94
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	14	7.94
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	14	7.94
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	10	7.93
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	18	7.91
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	18	7.91
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	18	7.91
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	18	7.91
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	17	7.91
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	17	7.91
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	17	7.91
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	7	7.9
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	20	7.87
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	20	7.87
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	20	7.87
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	20	7.87
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	12	7.86
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	12	7.86
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	12	7.86
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	12	7.86
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	12	7.86
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	12	7.86
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	12	7.86
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	12	7.86
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	12	7.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	9	7.83
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	9	7.83
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	9	7.83
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	9	7.83
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	14	7.81
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	14	7.81
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	14	7.81
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	14	7.81
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	17	7.8
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	6	7.78
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	20	7.76
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	6	7.75
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	6	7.75
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	6	7.75
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	6	7.75
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	6	7.75
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	6	7.75
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	6	7.75
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	6	7.75
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	6	7.75
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	3	7.73
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	3	7.73
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	3	7.73
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	11	7.72
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	11	7.72
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	11	7.72
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	11	7.72
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	4	7.72
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	4	7.72
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	4	7.72
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	19	7.69
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	19	7.69
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	19	7.69
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	19	7.69
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	10	7.67
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	10	7.67
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	10	7.67
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	10	7.67
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	15	7.66
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	15	7.66
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	15	7.66
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	18	7.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	18	7.65
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	18	7.65
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	18	7.65
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	18	7.65
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	18	7.65
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	18	7.65
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	18	7.65
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	18	7.65
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	16	7.65
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	16	7.65
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	16	7.65
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	8	7.62
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	8	7.62
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	8	7.62
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	8	7.62
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	18	7.61
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	18	7.61
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	18	7.61
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	18	7.61
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	18	7.61
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	18	7.61
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	5	7.6
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	5	7.6
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	5	7.6
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	5	7.6
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	17	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	17	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	17	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	17	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	17	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	17	7.59
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	17	7.59
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	17	7.59
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	17	7.59
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	17	7.59
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	17	7.59
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	17	7.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	17	7.59
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	13	7.59
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	13	7.59
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	13	7.59
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	13	7.59
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	9	7.51
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	9	7.51
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	9	7.51
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	9	7.51
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	9	7.51
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	9	7.51
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	9	7.51
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	9	7.51
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	12	7.46
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	12	7.46
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	12	7.46
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	12	7.46
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	10	7.42
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	7	7.41
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	7	7.41
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	7	7.41
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	7	7.41
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	7	7.41
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	7	7.41
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	7	7.41
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	7	7.41
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	7	7.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	7	7.41
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	7	7.41
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	7	7.41
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	7	7.41
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	3	7.36
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD11	8	7.35
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD12	8	7.35
(1,1308)	1:70:A:ILE:HG21	1:62:A:LEU:HD13	8	7.35
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD11	8	7.35
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD12	8	7.35
(1,1308)	1:70:A:ILE:HG22	1:62:A:LEU:HD13	8	7.35
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD11	8	7.35
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD12	8	7.35
(1,1308)	1:70:A:ILE:HG23	1:62:A:LEU:HD13	8	7.35
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	12	7.33
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	3	7.32
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	8	7.32
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	12	7.32
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	18	7.32
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	4	7.31
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	11	7.31
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	16	7.3
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	19	7.3
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	1	7.29
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	5	7.28
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	1	7.28
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	15	7.25
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	19	7.24
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	19	7.24
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	19	7.24
(1,53)	1:5:A:THR:HB	1:26:A:LEU:HB3	11	7.23
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	2	7.21
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	2	7.21
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	2	7.21
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	12	7.21
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	12	7.21
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	12	7.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	6	7.17
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	6	7.17
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	6	7.17
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	6	7.17
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	6	7.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	6	7.17
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	6	7.17
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	6	7.17
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	5	7.13
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	5	7.13
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	5	7.13
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	11	7.12
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	11	7.12
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	11	7.12
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	7	7.11
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	5	7.1
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	6	7.1
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	6	7.1
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	14	7.07
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	17	7.03
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	9	7.02
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	4	7.01
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	12	7.0
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	2	7.0
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	2	7.0
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	2	7.0
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	2	7.0
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	1	7.0
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	1	7.0
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	1	7.0
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	4	6.99
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	4	6.99
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	4	6.99
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	4	6.99
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	4	6.99
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	4	6.99
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	10	6.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	10	6.96
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	10	6.96
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	1	6.95
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	17	6.95
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	10	6.94
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	1	6.93
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	14	6.92
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG2	6	6.9
(1,473)	1:27:A:LYS:HE2	1:65:A:PRO:HG3	6	6.9
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG2	6	6.9
(1,473)	1:27:A:LYS:HE3	1:65:A:PRO:HG3	6	6.9
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	20	6.87
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	20	6.87
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	20	6.87
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	20	6.87
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	20	6.87
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	20	6.87
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	20	6.87
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	20	6.87
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	10	6.87
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	20	6.82
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	15	6.81
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	9	6.8
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	9	6.8
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	9	6.8
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	9	6.8
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	9	6.8
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	9	6.8
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	7	6.79
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	16	6.78
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	16	6.78
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	16	6.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	16	6.78
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	16	6.78
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	16	6.78
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	17	6.78
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	2	6.77
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	3	6.76
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	3	6.76
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	3	6.76
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	3	6.76
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	3	6.76
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	3	6.76
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	16	6.75
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	3	6.74
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	18	6.72
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	18	6.72
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	18	6.72
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	18	6.72
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	18	6.72
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	18	6.72
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	18	6.72
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	18	6.72
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	18	6.72
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	8	6.71
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	8	6.71
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	8	6.71
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	8	6.71
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	8	6.71
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	8	6.71
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	2	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	2	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	2	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	2	6.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	2	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	2	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	2	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	2	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	13	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	13	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	13	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	13	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	13	6.69
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	13	6.69
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	13	6.69
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	13	6.69
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	18	6.67
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	18	6.67
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	18	6.67
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	5	6.66
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	1	6.66
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	1	6.66
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	1	6.66
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	1	6.66
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	1	6.66
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	1	6.66
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	18	6.66
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	12	6.64
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	12	6.64
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	12	6.64
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	12	6.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	12	6.64
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	12	6.64
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	15	6.64
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	20	6.64
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	20	6.64
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	20	6.64
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	19	6.63
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	10	6.61
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	11	6.61
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	11	6.61
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	11	6.61
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	11	6.61
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	11	6.61
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	11	6.61
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	2	6.56
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	14	6.55
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	2	6.55
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	6	6.55
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	6	6.55
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	6	6.55
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	6	6.55
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	6	6.55
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	6	6.55
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	13	6.52
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	10	6.52
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	10	6.52
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	10	6.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	10	6.52
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	10	6.52
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	10	6.52
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	7	6.51
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	7	6.51
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	9	6.51
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	9	6.51
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	9	6.51
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	9	6.51
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	9	6.51
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	9	6.51
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	11	6.48
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	6	6.47
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	6	6.47
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	6	6.47
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	6	6.47
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	6	6.47
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	6	6.47
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	6	6.45
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	8	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	18	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	18	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	18	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	18	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	18	6.45
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	18	6.45
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	18	6.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	18	6.45
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	18	6.45
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	18	6.45
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	18	6.45
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	18	6.45
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	18	6.45
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	17	6.45
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	17	6.45
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	17	6.45
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	17	6.45
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	17	6.45
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	17	6.45
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	9	6.42
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	4	6.41
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	12	6.37
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	12	6.37
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	12	6.37
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	12	6.37
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	12	6.37
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	12	6.37
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	12	6.37
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	12	6.37
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	12	6.37
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	15	6.35
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	15	6.35
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	15	6.35
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	15	6.35
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	15	6.35
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	15	6.35
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	15	6.35
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	15	6.35
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	15	6.35
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	16	6.33
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	16	6.33
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	16	6.33
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	16	6.33
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	16	6.33
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	16	6.33
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	10	6.29
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	10	6.29
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	10	6.29
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	10	6.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	10	6.29
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	10	6.29
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	10	6.29
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	10	6.29
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	11	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	11	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	11	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	12	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	12	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	12	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	12	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	12	6.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	12	6.28
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	12	6.28
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	12	6.28
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	15	6.24
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	15	6.24
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	15	6.24
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	8	6.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	8	6.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	8	6.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	8	6.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	8	6.21
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	8	6.21
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	8	6.21
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	8	6.21
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	8	6.21
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	8	6.21
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	8	6.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	8	6.21
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	8	6.21
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	2	6.2
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	2	6.2
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	2	6.2
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	2	6.2
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	2	6.2
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	2	6.2
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD21	6	6.2
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD22	6	6.2
(1,157)	1:10:A:LEU:H	1:34:A:LEU:HD23	6	6.2
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	18	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	19	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	19	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	19	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	19	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	19	6.19
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	19	6.19
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	19	6.19
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	19	6.19
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	19	6.17
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	19	6.17
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	19	6.17
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	19	6.17
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	19	6.17
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	19	6.17
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	19	6.17
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	19	6.17
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	19	6.17
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	6	6.17
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	6	6.17
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	6	6.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	19	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	3	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	3	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	3	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	3	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	3	6.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	3	6.16
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	3	6.16
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	3	6.16
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	3	6.15
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	3	6.15
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	3	6.15
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	3	6.15
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	3	6.15
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	3	6.15
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	14	6.15
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	14	6.15
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	14	6.15
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	14	6.15
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	14	6.15
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	14	6.15
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	14	6.15
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	14	6.15
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	14	6.15
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	10	6.15
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	10	6.15
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	10	6.15
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	10	6.15
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	10	6.15
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	10	6.15
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	5	6.15
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	5	6.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	5	6.15
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	8	6.14
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	17	6.14
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	17	6.14
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	17	6.14
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	17	6.14
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	17	6.14
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	17	6.14
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	8	6.14
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	2	6.14
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	16	6.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	16	6.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	16	6.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	16	6.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	16	6.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	16	6.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	16	6.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	16	6.13
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	7	6.11
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	7	6.11
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	7	6.11
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	7	6.11
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	7	6.11
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	7	6.11
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	15	6.11
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	15	6.11
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	15	6.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	11	6.08
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	15	6.08
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	15	6.08
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	15	6.08
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	15	6.08
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	15	6.08
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	15	6.08
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	4	6.07
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	4	6.07
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	4	6.07
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	4	6.07
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	4	6.07
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	4	6.07
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	4	6.07
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	4	6.07
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	13	6.06
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	15	6.05
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	15	6.05
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	15	6.05
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	15	6.05
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	15	6.05
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	15	6.05
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	10	6.05
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	10	6.05
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	10	6.05
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	2	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	2	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	2	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	19	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	19	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	19	6.02
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	8	5.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	8	5.95
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	8	5.95
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	1	5.92
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	1	5.92
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	1	5.92
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	1	5.92
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	1	5.92
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	1	5.92
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	1	5.92
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	1	5.92
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	4	5.91
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	4	5.91
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	4	5.91
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	11	5.89
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	14	5.88
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	14	5.88
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	14	5.88
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	15	5.88
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	1	5.87
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	1	5.87
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	1	5.87
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	1	5.87
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	1	5.87
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	1	5.87
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	1	5.87
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	1	5.87
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	1	5.87
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	16	5.87
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	16	5.87
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	16	5.87
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	12	5.86
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	17	5.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	17	5.86
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	17	5.86
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	7	5.84
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	7	5.84
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	7	5.84
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	20	5.83
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	12	5.81
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	12	5.81
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	12	5.81
(1,315)	1:20:A:VAL:H	1:24:A:LEU:HA	20	5.8
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	10	5.79
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	10	5.79
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	10	5.79
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	10	5.79
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	10	5.79
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	10	5.79
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	10	5.79
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	10	5.79
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	10	5.79
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	10	5.79
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	10	5.79
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	10	5.79
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	10	5.79
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	10	5.79
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	10	5.79
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	19	5.79
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	12	5.78
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	12	5.78
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	12	5.78
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	12	5.78
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	12	5.78
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	12	5.78
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	2	5.78
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	2	5.78
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	2	5.78
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	2	5.78
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	2	5.78
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	2	5.78
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	2	5.78
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	2	5.78
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	2	5.78
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	13	5.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	13	5.78
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	13	5.78
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	20	5.78
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	20	5.78
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	20	5.78
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	2	5.78
(1,1420)	1:75:A:LYS:H	1:70:A:ILE:H	9	5.77
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	17	5.77
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	17	5.77
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	17	5.77
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	17	5.77
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	17	5.77
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	17	5.77
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	17	5.77
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	17	5.77
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	17	5.77
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	18	5.77
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	3	5.77
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	12	5.77
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	18	5.76
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	19	5.76
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	14	5.74
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	14	5.74
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	14	5.74
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	14	5.74
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	14	5.74
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	14	5.74
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	3	5.74
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	3	5.74
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	3	5.74
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	1	5.74
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	9	5.73
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	9	5.73
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	9	5.73
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	16	5.72
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	16	5.72
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	16	5.72
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	16	5.72
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	16	5.72
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	16	5.72
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	1	5.72
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	1	5.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	1	5.72
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	17	5.72
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	18	5.71
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	18	5.71
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	18	5.71
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	16	5.71
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	3	5.69
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	3	5.69
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	3	5.69
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	3	5.69
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	3	5.69
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	3	5.69
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	3	5.68
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	11	5.67
(1,531)	1:30:A:LEU:HB3	1:24:A:LEU:HB2	16	5.67
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	6	5.67
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	6	5.66
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	6	5.66
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	6	5.66
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	6	5.66
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	6	5.66
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	6	5.66
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	6	5.66
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	6	5.66
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	6	5.66
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	14	5.66
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	8	5.64
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	5	5.62
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	5	5.62
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	5	5.62
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	5	5.62
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	5	5.62
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	5	5.62
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	5	5.62
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	5	5.62
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	5	5.62
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	5	5.62
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	7	5.61
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	7	5.61
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	7	5.61
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	7	5.61
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	7	5.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	7	5.61
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	4	5.61
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	2	5.6
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	2	5.6
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	2	5.6
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	2	5.6
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	2	5.6
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	2	5.6
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	13	5.59
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	9	5.58
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	9	5.58
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	9	5.58
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	9	5.58
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	9	5.58
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	9	5.58
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD11	11	5.57
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD12	11	5.57
(1,420)	1:25:A:THR:HB	1:6:A:ILE:HD13	11	5.57
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	11	5.56
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	11	5.56
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	11	5.56
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	11	5.56
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	11	5.56
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	11	5.56
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	11	5.56
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	11	5.56
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	11	5.56
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	8	5.54
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	17	5.53
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	17	5.53
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	17	5.53
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	17	5.53
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	17	5.53
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	17	5.53
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	5	5.52
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	5	5.52
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	5	5.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	5	5.52
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	5	5.52
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	5	5.52
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	19	5.52
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	19	5.52
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	19	5.52
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	19	5.52
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	19	5.52
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	19	5.52
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	8	5.52
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	8	5.52
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	8	5.52
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	8	5.52
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	8	5.52
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	8	5.52
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	8	5.52
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	8	5.52
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	8	5.52
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	11	5.52
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	11	5.52
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	10	5.52
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	20	5.49
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	20	5.49
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	20	5.49
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	20	5.49
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	20	5.49
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	20	5.49
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	7	5.49
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	3	5.48
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	3	5.48
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	3	5.48
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	3	5.48
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	3	5.48
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	3	5.48
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	11	5.48
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	11	5.48
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	11	5.48
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	11	5.48
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	11	5.48
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	11	5.48
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	16	5.47
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	16	5.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	16	5.47
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	16	5.47
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	16	5.47
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	16	5.47
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	6	5.47
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	18	5.47
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	18	5.47
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	18	5.47
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	18	5.47
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	18	5.47
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	18	5.47
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	4	5.45
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	4	5.45
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	4	5.45
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	4	5.45
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	4	5.45
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	4	5.45
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	4	5.45
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	4	5.45
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	4	5.45
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	12	5.44
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	19	5.42
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	15	5.41
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	15	5.41
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	15	5.41
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	15	5.41
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	15	5.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	15	5.41
(1,205)	1:15:A:ARG:H	1:7:A:GLU:H	9	5.4
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	8	5.34
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	7	5.32
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	9	5.32
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	9	5.32
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	9	5.32
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	9	5.32
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	9	5.32
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	9	5.32
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	5	5.3
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	5	5.3
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	5	5.3
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	5	5.3
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	5	5.3
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	5	5.3
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	5	5.3
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	5	5.3
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	6	5.29
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	6	5.29
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	6	5.29
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	6	5.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	6	5.29
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	6	5.29
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	18	5.29
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	18	5.29
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	2	5.28
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	2	5.28
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	2	5.28
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	2	5.28
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	2	5.28
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	2	5.28
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	3	5.27
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	3	5.27
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	3	5.27
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	3	5.27
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	3	5.27
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	3	5.27
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	3	5.27
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	3	5.27
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	3	5.27
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	11	5.26
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	18	5.25
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	18	5.25
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	18	5.25
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	18	5.25
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	18	5.25
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	18	5.25
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	16	5.22
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	16	5.22
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	16	5.22
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	16	5.22
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	16	5.22
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	16	5.22
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	16	5.22
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	16	5.22
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	16	5.22
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	17	5.22
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	17	5.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	17	5.22
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	17	5.22
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	17	5.22
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	17	5.22
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	17	5.21
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	17	5.21
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	9	5.19
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	9	5.19
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	9	5.19
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	9	5.19
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	9	5.19
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	9	5.19
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	9	5.19
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	9	5.19
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	9	5.19
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	12	5.19
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	15	5.18
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	19	5.17
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	19	5.17
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	19	5.17
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	19	5.17
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	19	5.17
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	19	5.17
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	13	5.16
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	13	5.16
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD11	14	5.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD12	14	5.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD13	14	5.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD21	14	5.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD22	14	5.13
(1,849)	1:46:A:VAL:HG21	1:24:A:LEU:HD23	14	5.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD11	14	5.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD12	14	5.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD13	14	5.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD21	14	5.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD22	14	5.13
(1,849)	1:46:A:VAL:HG22	1:24:A:LEU:HD23	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD11	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD12	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD13	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD21	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD22	14	5.13
(1,849)	1:46:A:VAL:HG23	1:24:A:LEU:HD23	14	5.13
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	13	5.1
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	13	5.1
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	13	5.1
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	13	5.1
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	13	5.1
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	13	5.1
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	13	5.1
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	13	5.1
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	13	5.1
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	15	5.07
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	15	5.07
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	5	5.06
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	1	5.03
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	1	5.03
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	1	5.03
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	1	5.03
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	1	5.03
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	1	5.03
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	20	5.02
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	20	5.02
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	20	5.0
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	20	5.0
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	20	5.0
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	20	5.0
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	20	5.0
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	20	5.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	14	4.95
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	14	4.95
(1,927)	1:49:A:LEU:HD11	1:78:A:PRO:HG3	13	4.94
(1,927)	1:49:A:LEU:HD12	1:78:A:PRO:HG3	13	4.94
(1,927)	1:49:A:LEU:HD13	1:78:A:PRO:HG3	13	4.94
(1,927)	1:49:A:LEU:HD21	1:78:A:PRO:HG3	13	4.94
(1,927)	1:49:A:LEU:HD22	1:78:A:PRO:HG3	13	4.94
(1,927)	1:49:A:LEU:HD23	1:78:A:PRO:HG3	13	4.94
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	9	4.94
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	9	4.94
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	14	4.93
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	4	4.91
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	4	4.91
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	4	4.91
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	4	4.91
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	4	4.91
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	4	4.91
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	3	4.89
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	3	4.89
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	3	4.89
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	3	4.89
(1,534)	1:30:A:LEU:HD11	1:24:A:LEU:HA	13	4.88
(1,534)	1:30:A:LEU:HD12	1:24:A:LEU:HA	13	4.88
(1,534)	1:30:A:LEU:HD13	1:24:A:LEU:HA	13	4.88
(1,534)	1:30:A:LEU:HD21	1:24:A:LEU:HA	13	4.88
(1,534)	1:30:A:LEU:HD22	1:24:A:LEU:HA	13	4.88
(1,534)	1:30:A:LEU:HD23	1:24:A:LEU:HA	13	4.88
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	10	4.88
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	10	4.88
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	7	4.85
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	7	4.85
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	7	4.85
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	7	4.85
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	7	4.85
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	7	4.85
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	7	4.85
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	7	4.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	7	4.85
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	10	4.82
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD11	20	4.76
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD12	20	4.76
(1,803)	1:44:A:VAL:HG21	1:48:A:LEU:HD13	20	4.76
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD11	20	4.76
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD12	20	4.76
(1,803)	1:44:A:VAL:HG22	1:48:A:LEU:HD13	20	4.76
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD11	20	4.76
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD12	20	4.76
(1,803)	1:44:A:VAL:HG23	1:48:A:LEU:HD13	20	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	14	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	14	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	14	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	14	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	14	4.76
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	14	4.76
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	18	4.71
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	4	4.68
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	13	4.64
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	7	4.58
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	7	4.58
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	5	4.58
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	15	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	19	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	19	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	19	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	19	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	19	4.57
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	19	4.57
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	10	4.53
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	10	4.53
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	10	4.53
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	1	4.52
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	1	4.52
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	17	4.45
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	6	4.43
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	2	4.42
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	19	4.41
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	19	4.41
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	19	4.41
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	9	4.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	11	4.41
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	1	4.38
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	5	4.37
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	5	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	4	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	4	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	4	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	4	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	4	4.37
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	4	4.37
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	14	4.36
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	13	4.34
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	8	4.33
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	8	4.33
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	8	4.33
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	8	4.33
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	8	4.33
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	8	4.33
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	5	4.32
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	11	4.32
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	14	4.32
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	16	4.32
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	2	4.31
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	2	4.31
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	17	4.31
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	19	4.31
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	4	4.31
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	17	4.31
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	8	4.3
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	9	4.28
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	9	4.28
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	9	4.28
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	19	4.28
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	20	4.28
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	20	4.28
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	20	4.28
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	20	4.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	20	4.28
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	20	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	17	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	17	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	17	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	17	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	17	4.28
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	17	4.28
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	3	4.26
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	12	4.25
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	20	4.25
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	20	4.25
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	20	4.25
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	20	4.25
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	20	4.25
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	20	4.25
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	7	4.21
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	6	4.21
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	6	4.21
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	6	4.21
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	6	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	5	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	5	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	5	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	5	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	5	4.21
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	5	4.21
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	8	4.2
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	8	4.2
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	16	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	19	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	19	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	19	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	19	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	19	4.19
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	19	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	12	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	12	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	12	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	12	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	12	4.19
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	12	4.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	16	4.18
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	1	4.17
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	11	4.17
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	13	4.16
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	13	4.16
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	13	4.16
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	15	4.16
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	18	4.16
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	7	4.16
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	3	4.16
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	3	4.16
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	9	4.15
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	11	4.14
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	11	4.14
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	11	4.14
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	11	4.14
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	11	4.14
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	11	4.14
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	20	4.14
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	1	4.13
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	1	4.13
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	13	4.12
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	13	4.12
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	8	4.12
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	2	4.11
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	14	4.11
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	3	4.1
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	4	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	9	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	9	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	9	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	9	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	9	4.09
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	9	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	3	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	3	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	3	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	3	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	3	4.09
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	3	4.09
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	13	4.08
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	1	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	1	4.08
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	1	4.08
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	1	4.08
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	1	4.08
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	1	4.08
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	5	4.07
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	5	4.07
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	5	4.07
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	5	4.07
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	5	4.07
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	5	4.07
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	5	4.06
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	10	4.06
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	19	4.05
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	10	4.05
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	6	4.05
(1,1174)	1:65:A:PRO:HD2	1:24:A:LEU:HA	20	4.05
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	4	4.04
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	4	4.04
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	5	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	13	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	13	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	13	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	13	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	13	4.04
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	13	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	1	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	1	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	1	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	1	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	1	4.04
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	1	4.04
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	17	4.03
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	12	4.03
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	4	4.03
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	4	4.03
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	4	4.03
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	4	4.03
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	4	4.03
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	4	4.03
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	2	4.03
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	2	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	6	4.02
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	20	4.02
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	10	4.02
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	11	4.02
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	11	4.01
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	14	4.01
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	16	4.01
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	18	4.01
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	19	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	2	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	2	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	2	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	2	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	2	4.01
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	2	4.01
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	4	4.0
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	8	4.0
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	12	4.0
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	15	4.0
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	11	4.0
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	12	4.0
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	18	3.99
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	15	3.98
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	15	3.98
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	9	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	17	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	17	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	17	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	17	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	17	3.98
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	17	3.98
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	8	3.97
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	8	3.97
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	2	3.96
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	10	3.96
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	14	3.96
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	14	3.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	14	3.96
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	14	3.96
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	14	3.96
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	14	3.96
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	17	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	12	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	12	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	12	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	12	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	12	3.95
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	12	3.95
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	20	3.94
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	20	3.94
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	20	3.94
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	20	3.94
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	20	3.94
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	20	3.94
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	3	3.92
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	14	3.92
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	6	3.92
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	10	3.92
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	20	3.91
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	20	3.91
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	20	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	7	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	7	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	7	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	7	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	7	3.91
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	7	3.91
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	13	3.9
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	7	3.9
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	9	3.9
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	1	3.89
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	1	3.89
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	1	3.89
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	1	3.89
(1,859)	1:47:A:TYR:H	1:49:A:LEU:HA	20	3.89
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	6	3.89
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	5	3.89
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	5	3.89
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	5	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	5	3.89
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	5	3.89
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	5	3.89
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	7	3.89
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	19	3.89
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	1	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	4	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	4	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	4	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	4	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	4	3.88
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	4	3.88
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	17	3.87
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	14	3.86
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	14	3.86
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	14	3.86
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	14	3.86
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	14	3.86
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	14	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	7	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	7	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	7	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	7	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	7	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	7	3.86
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	4	3.86
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	10	3.85
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	10	3.85
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	10	3.85
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	10	3.85
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	10	3.85
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	10	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	16	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	16	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	16	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	16	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	16	3.85
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	16	3.85
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	1	3.83
(1,535)	1:30:A:LEU:HD11	1:65:A:PRO:HD2	13	3.82
(1,535)	1:30:A:LEU:HD12	1:65:A:PRO:HD2	13	3.82
(1,535)	1:30:A:LEU:HD13	1:65:A:PRO:HD2	13	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:30:A:LEU:HD21	1:65:A:PRO:HD2	13	3.82
(1,535)	1:30:A:LEU:HD22	1:65:A:PRO:HD2	13	3.82
(1,535)	1:30:A:LEU:HD23	1:65:A:PRO:HD2	13	3.82
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	15	3.8
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	20	3.8
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	5	3.79
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	4	3.77
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	4	3.77
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	4	3.77
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	20	3.77
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	20	3.77
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	20	3.77
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	1	3.77
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	1	3.77
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	1	3.77
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	1	3.77
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	1	3.77
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	1	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	9	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	18	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	18	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	18	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	18	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	18	3.77
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	18	3.77
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	6	3.77
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	4	3.76
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	4	3.76
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	4	3.76
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	4	3.76
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	4	3.76
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	4	3.76
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	20	3.75
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	20	3.75
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	5	3.75
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	13	3.75
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	13	3.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	13	3.74
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	13	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	1	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	1	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	1	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	1	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	1	3.74
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	1	3.74
(1,1475)	1:78:A:PRO:HB2	1:45:A:GLN:HA	7	3.73
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	12	3.73
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	5	3.72
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	15	3.72
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	18	3.72
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	17	3.71
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	17	3.71
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	17	3.71
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	4	3.71
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	14	3.71
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	14	3.71
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	2	3.7
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	2	3.7
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	2	3.7
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	2	3.7
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	2	3.7
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	2	3.7
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	2	3.7
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	3	3.7
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	14	3.7
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	6	3.69
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	6	3.69
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	8	3.69
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	16	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	6	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	6	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	6	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	6	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	6	3.69
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	6	3.69
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	9	3.68
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	18	3.67
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	18	3.67
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	1	3.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	13	3.66
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	17	3.65
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	2	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	5	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	5	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	5	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	5	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	5	3.61
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	5	3.61
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	10	3.61
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	13	3.6
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	19	3.6
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	19	3.6
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	19	3.6
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	14	3.6
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	14	3.6
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	14	3.6
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	14	3.6
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	14	3.6
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	14	3.6
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	18	3.59
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	18	3.59
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	18	3.59
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	4	3.59
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	4	3.59
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	3	3.58
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	20	3.58
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	3	3.57
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	3	3.57
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	3	3.57
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	3	3.57
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	3	3.57
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	3	3.57
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	8	3.57
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	3	3.56
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	7	3.56
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	7	3.56
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	19	3.56
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	7	3.55
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	7	3.55
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	7	3.55
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	9	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	11	3.55
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	15	3.55
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	16	3.55
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	19	3.55
(1,536)	1:30:A:LEU:HD11	1:65:A:PRO:HD3	13	3.54
(1,536)	1:30:A:LEU:HD12	1:65:A:PRO:HD3	13	3.54
(1,536)	1:30:A:LEU:HD13	1:65:A:PRO:HD3	13	3.54
(1,536)	1:30:A:LEU:HD21	1:65:A:PRO:HD3	13	3.54
(1,536)	1:30:A:LEU:HD22	1:65:A:PRO:HD3	13	3.54
(1,536)	1:30:A:LEU:HD23	1:65:A:PRO:HD3	13	3.54
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	5	3.54
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	6	3.54
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	19	3.54
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	19	3.54
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	8	3.53
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	8	3.53
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	4	3.53
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	8	3.53
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	1	3.53
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	6	3.53
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	12	3.53
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	19	3.53
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	10	3.52
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	17	3.52
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	9	3.52
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	2	3.52
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	15	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	3	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	6	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	7	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	8	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	9	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	10	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	13	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	15	3.52
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	18	3.52
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	1	3.51
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	6	3.51
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	10	3.51
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	18	3.51
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	3	3.51
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	10	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	11	3.51
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	1	3.51
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	2	3.51
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	20	3.51
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	8	3.5
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	8	3.5
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	8	3.5
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	18	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	4	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	7	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	8	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	9	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	13	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	14	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	18	3.5
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	20	3.5
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	12	3.5
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	16	3.49
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	16	3.49
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	16	3.49
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	16	3.49
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	16	3.49
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	16	3.49
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	5	3.48
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	14	3.47
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	14	3.47
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	14	3.47
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	17	3.47
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	14	3.46
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	20	3.46
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	5	3.46
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	12	3.45
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	12	3.45
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	12	3.45
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	11	3.45
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	18	3.45
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	18	3.45
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	4	3.44
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	11	3.44
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	12	3.44
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	15	3.44
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	16	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	19	3.44
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	1	3.43
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	2	3.43
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	3	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	10	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	10	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	10	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	10	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	10	3.43
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	10	3.43
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	7	3.42
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	8	3.42
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	13	3.42
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	17	3.42
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	12	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	15	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	15	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	15	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	15	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	15	3.41
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	15	3.41
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	15	3.4
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	15	3.4
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	11	3.4
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	11	3.4
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	11	3.4
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	1	3.39
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	11	3.38
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	11	3.38
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	6	3.38
(1,132)	1:9:A:GLU:H	1:77:A:VAL:H	16	3.38
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	7	3.36
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	16	3.36
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	9	3.36
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	3	3.33
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	2	3.32
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	2	3.32
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	19	3.31
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	7	3.3
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	7	3.3
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	7	3.3
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	7	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	9	3.29
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	5	3.29
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	10	3.29
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	10	3.29
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	10	3.29
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	10	3.29
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	10	3.29
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	10	3.29
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	12	3.29
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	15	3.29
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	2	3.28
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	2	3.28
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	2	3.28
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	5	3.28
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	5	3.28
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	5	3.28
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	16	3.28
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	16	3.28
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	2	3.27
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	11	3.27
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	18	3.27
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	5	3.27
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	16	3.27
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	16	3.26
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	16	3.26
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	16	3.26
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	13	3.26
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	10	3.26
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	17	3.26
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	8	3.26
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	19	3.25
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	3	3.25
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	12	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	20	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	20	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	20	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	20	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	20	3.25
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	20	3.25
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	17	3.25
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	7	3.24
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	10	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	12	3.23
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	4	3.23
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	14	3.23
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	9	3.23
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	1	3.23
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	4	3.23
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	9	3.23
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	15	3.22
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	13	3.22
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	6	3.21
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	6	3.21
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	6	3.21
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	16	3.21
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	6	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	15	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	15	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	15	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	15	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	15	3.21
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	15	3.21
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	1	3.2
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	4	3.2
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	4	3.2
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	10	3.2
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	4	3.2
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	17	3.19
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	4	3.19
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	13	3.19
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	20	3.19
(1,242)	1:17:A:VAL:H	1:7:A:GLU:H	5	3.19
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	3	3.18
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	3	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	1	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	2	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	3	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	7	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	9	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	10	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	11	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	12	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	15	3.18
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	17	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	14	3.18
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	6	3.18
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	6	3.18
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	7	3.18
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	11	3.17
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	11	3.17
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	8	3.17
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	14	3.17
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	16	3.17
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	12	3.17
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	15	3.17
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	14	3.17
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	16	3.16
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	16	3.16
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	5	3.16
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	6	3.16
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	20	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	18	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	18	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	18	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	18	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	18	3.16
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	18	3.16
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	3	3.16
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	6	3.16
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	19	3.16
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	10	3.15
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	10	3.15
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	5	3.15
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	3	3.15
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	3	3.15
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	3	3.15
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	18	3.15
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	12	3.15
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	12	3.15
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	12	3.15
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	17	3.15
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	9	3.14
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	9	3.14
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	12	3.14
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	12	3.14
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	12	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	10	3.14
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	10	3.14
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	10	3.14
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	9	3.14
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	20	3.14
(1,728)	1:41:A:PRO:HD3	1:42:A:ASN:HA	19	3.13
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	15	3.13
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	15	3.13
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	15	3.13
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	11	3.12
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	18	3.11
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	17	3.11
(1,109)	1:7:A:GLU:HG2	1:9:A:GLU:HB3	2	3.11
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	19	3.1
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	7	3.1
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	7	3.1
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	7	3.1
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	2	3.09
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	3	3.09
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	6	3.09
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	4	3.09
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	4	3.09
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	4	3.09
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	13	3.09
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	1	3.08
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	4	3.08
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	5	3.08
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	5	3.08
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	5	3.08
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	13	3.08
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	13	3.08
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	13	3.08
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	20	3.08
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	20	3.08
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	20	3.08
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	3	3.07
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	5	3.07
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	10	3.07
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	19	3.07
(1,108)	1:7:A:GLU:HG2	1:9:A:GLU:HB2	11	3.07
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	8	3.05
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	1	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	7	3.05
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	7	3.05
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	7	3.05
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	18	3.05
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	18	3.05
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	18	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD11	11	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD12	11	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD13	11	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD21	11	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD22	11	3.05
(1,446)	1:27:A:LYS:H	1:69:A:LEU:HD23	11	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD11	6	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD12	6	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD13	6	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD21	6	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD22	6	3.05
(1,232)	1:16:A:THR:H	1:30:A:LEU:HD23	6	3.05
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	4	3.04
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	9	3.04
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	7	3.03
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	15	3.03
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	14	3.02
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	16	3.02
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	4	3.02
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	4	3.02
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	2	3.01
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	12	3.01
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	9	3.01
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	9	3.01
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	9	3.01
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	19	3.0
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	19	3.0
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	3	3.0
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	1	3.0
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	1	3.0
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	1	3.0
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	8	3.0
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	8	3.0
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	8	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	7	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	7	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	7	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	7	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	7	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	7	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	9	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	9	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	9	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	9	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	9	3.0
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	9	3.0
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	15	2.99
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	20	2.99
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	6	2.99
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	7	2.99
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	7	2.99
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	7	2.99
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	13	2.99
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	11	2.98
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	15	2.98
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	18	2.98
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	20	2.98
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	6	2.98
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	6	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	17	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	17	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	17	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	17	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	17	2.98
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	17	2.98
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	17	2.97
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	6	2.97
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	6	2.97
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	6	2.97
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	9	2.97
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	9	2.97
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	9	2.97
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	20	2.96
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	8	2.96
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	4	2.95
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	13	2.95
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	14	2.95
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	14	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	14	2.95
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	14	2.95
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	6	2.94
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	8	2.94
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	9	2.94
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	9	2.94
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	17	2.94
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	17	2.94
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	17	2.94
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	5	2.94
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	5	2.94
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	5	2.94
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	13	2.93
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	19	2.93
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	18	2.93
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	18	2.93
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	18	2.93
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	13	2.93
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	13	2.93
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	13	2.93
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	11	2.92
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	10	2.92
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	10	2.92
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	10	2.92
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	11	2.9
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	12	2.9
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	14	2.9
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	1	2.9
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	1	2.9
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	11	2.9
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	11	2.9
(1,524)	1:30:A:LEU:HA	1:26:A:LEU:HG	2	2.9
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	8	2.9
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	8	2.9
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	8	2.9
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	14	2.89
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	14	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	4	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	9	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	10	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	18	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	20	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	15	2.89
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	18	2.89
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	18	2.89
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	1	2.89
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	1	2.89
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	15	2.89
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	15	2.89
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	15	2.89
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	19	2.89
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	19	2.89
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	19	2.89
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	16	2.88
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	14	2.88
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	14	2.88
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	14	2.88
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	14	2.88
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	5	2.87
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	5	2.87
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	19	2.87
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	7	2.87
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	9	2.87
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	16	2.87
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	3	2.87
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	3	2.87
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	3	2.87
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	16	2.87
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	16	2.87
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	16	2.87
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	8	2.86
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	8	2.86
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	14	2.86
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	20	2.86
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	20	2.86
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	13	2.85
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	13	2.85
(1,814)	1:45:A:GLN:H	1:43:A:LYS:HA	2	2.85
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	17	2.85
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	17	2.85
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	14	2.85
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	14	2.85
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	14	2.85
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	16	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	16	2.85
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	16	2.85
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	16	2.85
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	16	2.85
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	16	2.85
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	19	2.84
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	19	2.84
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	9	2.84
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	9	2.84
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	9	2.84
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	9	2.84
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	9	2.84
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	9	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	2	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	2	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	2	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	2	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	2	2.84
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	2	2.84
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	4	2.83
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	4	2.83
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	4	2.83
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	2	2.83
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	2	2.83
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	2	2.83
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	2	2.83
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	7	2.83
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	7	2.83
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	7	2.83
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	7	2.83
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	7	2.83
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	7	2.83
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	6	2.83
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	6	2.83
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	6	2.83
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	6	2.83
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	6	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	6	2.83
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	14	2.82
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	14	2.82
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	16	2.82
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	16	2.82
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	1	2.82
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	18	2.82
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	18	2.82
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	18	2.82
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	8	2.82
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	8	2.82
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	8	2.82
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	8	2.82
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	5	2.82
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	5	2.82
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	5	2.82
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	4	2.81
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	4	2.81
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	9	2.81
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	9	2.81
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	9	2.81
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	9	2.81
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	18	2.8
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	7	2.8
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	7	2.8
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	13	2.8
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	2	2.8
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	2	2.8
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	2	2.8
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	5	2.79
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	5	2.79
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	11	2.79
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	11	2.79
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	11	2.79
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	17	2.79
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	17	2.79
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	17	2.79
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	17	2.79
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	18	2.79
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	18	2.79
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	18	2.79
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	3	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	3	2.79
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	3	2.79
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	3	2.79
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	3	2.79
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	3	2.79
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	1	2.78
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	8	2.78
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	20	2.77
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	20	2.77
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	20	2.77
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	1	2.77
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	7	2.76
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	20	2.76
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	6	2.76
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	10	2.76
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	17	2.76
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	17	2.76
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	17	2.76
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	17	2.76
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	17	2.76
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	17	2.76
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	12	2.76
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	12	2.76
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	19	2.75
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	19	2.75
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	19	2.75
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	15	2.75
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	15	2.75
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	14	2.74
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	11	2.74
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	12	2.74
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	5	2.74
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	5	2.74
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	5	2.74
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	12	2.74
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	12	2.74
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	12	2.74
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	11	2.74
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	11	2.74
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	11	2.74
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	11	2.74
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	11	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	11	2.74
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	2	2.73
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	1	2.73
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	2	2.73
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	2	2.73
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	2	2.73
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	19	2.73
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	19	2.73
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	19	2.73
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	19	2.73
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	5	2.73
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	5	2.73
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	5	2.73
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	12	2.73
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	18	2.73
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	18	2.73
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	18	2.73
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	18	2.73
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	18	2.73
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	18	2.73
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	5	2.72
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	9	2.72
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	12	2.72
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	17	2.72
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	18	2.72
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	19	2.72
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	8	2.72
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	8	2.72
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	12	2.72
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	4	2.72
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	4	2.72
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	4	2.72
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	17	2.72
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	17	2.72
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	17	2.72
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	10	2.72
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	10	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	10	2.72
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	10	2.72
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	10	2.72
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	10	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	14	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	14	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	14	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	14	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	14	2.72
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	14	2.72
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	20	2.71
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	20	2.71
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	14	2.71
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	12	2.7
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	12	2.7
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	2	2.7
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	6	2.7
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	6	2.7
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	6	2.7
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	15	2.7
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	15	2.7
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	15	2.7
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	3	2.69
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	7	2.69
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	14	2.69
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	15	2.69
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	16	2.69
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	3	2.69
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	3	2.69
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	3	2.69
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	13	2.69
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	13	2.69
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	13	2.69
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	8	2.69
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	10	2.69
(1,1445)	1:76:A:VAL:H	1:44:A:VAL:H	6	2.68
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	2	2.68
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	6	2.68
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	8	2.68
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	10	2.68
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	13	2.68
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	6	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	6	2.68
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	20	2.68
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	20	2.68
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	20	2.68
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	7	2.68
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	19	2.68
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	19	2.68
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	19	2.68
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	19	2.68
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	19	2.68
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	19	2.68
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	11	2.67
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	11	2.67
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	16	2.67
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	16	2.67
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	16	2.67
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	9	2.67
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	4	2.66
(1,1177)	1:65:A:PRO:HD2	1:25:A:THR:H	20	2.66
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	7	2.66
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	7	2.66
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	12	2.66
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	12	2.66
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	12	2.66
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	16	2.66
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	16	2.66
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	16	2.66
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	8	2.66
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	9	2.66
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	9	2.66
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	9	2.66
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	4	2.65
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	10	2.65
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	5	2.65
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	5	2.65
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	10	2.65
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	10	2.65
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	7	2.65
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	1	2.65
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	1	2.65
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	1	2.65
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	14	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	14	2.65
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	14	2.65
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	6	2.64
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	2	2.64
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	3	2.64
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	8	2.64
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	8	2.64
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	8	2.64
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	12	2.63
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	12	2.63
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	12	2.63
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	12	2.63
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	12	2.63
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	12	2.63
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	12	2.63
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	12	2.63
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	12	2.63
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	20	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	19	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	19	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	19	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	19	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	19	2.63
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	19	2.63
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	19	2.63
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	7	2.63
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	7	2.63
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	7	2.63
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	10	2.63
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	9	2.62
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	17	2.62
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	17	2.62
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	5	2.62
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	8	2.62
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	9	2.62
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	9	2.62
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	9	2.62
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	18	2.62
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	8	2.62
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	8	2.62
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	8	2.62
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	8	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	8	2.62
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	8	2.62
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	15	2.62
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	15	2.62
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	15	2.62
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	15	2.62
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	15	2.62
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	15	2.62
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	16	2.62
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	6	2.62
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	6	2.62
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	6	2.62
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	6	2.61
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	6	2.61
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	6	2.61
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	3	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	1	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	1	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	2	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	2	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	16	2.61
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	16	2.61
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	4	2.61
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	7	2.61
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	9	2.61
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	13	2.61
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	17	2.61
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	19	2.61
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	16	2.61
(1,699)	1:39:A:ILE:HG21	1:30:A:LEU:HA	10	2.61
(1,699)	1:39:A:ILE:HG22	1:30:A:LEU:HA	10	2.61
(1,699)	1:39:A:ILE:HG23	1:30:A:LEU:HA	10	2.61
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	7	2.61
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	2	2.61
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	2	2.61
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	2	2.61
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	14	2.61
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	14	2.61
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	14	2.61
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	13	2.61
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	13	2.61
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	13	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	13	2.61
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	13	2.61
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	13	2.61
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	6	2.61
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	9	2.61
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	11	2.61
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	20	2.61
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	10	2.61
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	10	2.61
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	10	2.61
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	8	2.6
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	8	2.6
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	12	2.6
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	19	2.6
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	8	2.6
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	20	2.6
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	14	2.6
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	20	2.6
(1,616)	1:34:A:LEU:HB3	1:33:A:ALA:HA	9	2.6
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	6	2.6
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	6	2.6
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	6	2.6
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	6	2.6
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	6	2.6
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	6	2.6
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	13	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	7	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	7	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	7	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	12	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	12	2.6
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	12	2.6
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	5	2.6
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	19	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	17	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	17	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	17	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	19	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	19	2.6
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	19	2.6
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	15	2.59
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	15	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	15	2.59
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	5	2.59
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	7	2.59
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	16	2.59
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	6	2.59
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	14	2.59
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	15	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	10	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	20	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	20	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	20	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	20	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	20	2.59
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	20	2.59
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	20	2.59
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	13	2.59
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	13	2.59
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	13	2.59
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	13	2.59
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	7	2.59
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	17	2.59
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	4	2.59
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	15	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	1	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	1	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	1	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	18	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	18	2.59
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	18	2.59
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	15	2.58
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	3	2.58
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	16	2.58
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	18	2.58
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	3	2.58
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	3	2.58
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	3	2.58
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	2	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	3	2.58
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	7	2.58
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	12	2.58
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	14	2.58
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	17	2.57
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	17	2.57
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	17	2.57
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	17	2.57
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	17	2.57
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	17	2.57
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	17	2.57
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	17	2.57
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	17	2.57
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	2	2.57
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	2	2.57
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	2	2.57
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	17	2.57
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	18	2.57
(1,1148)	1:64:A:HIS:H	1:65:A:PRO:HB3	10	2.57
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	15	2.57
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	15	2.57
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	15	2.57
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	15	2.57
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	19	2.57
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	19	2.57
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	9	2.57
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	10	2.57
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	20	2.57
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	5	2.57
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	5	2.57
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	5	2.57
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	5	2.57
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	5	2.57
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	5	2.57
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	5	2.57
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	5	2.57
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	5	2.57
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	8	2.57
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	13	2.57
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	17	2.57
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	12	2.57
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	12	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	12	2.57
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	15	2.57
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	15	2.57
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	15	2.57
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	11	2.56
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	11	2.56
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	14	2.56
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	10	2.56
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	10	2.56
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	1	2.56
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	2	2.56
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	6	2.56
(1,146)	1:9:A:GLU:HB2	1:14:A:GLN:HA	18	2.56
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	20	2.56
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	20	2.56
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	20	2.56
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	10	2.55
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	10	2.55
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	13	2.55
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	19	2.55
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	3	2.55
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	5	2.55
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	19	2.55
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	14	2.55
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	14	2.55
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	14	2.55
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	14	2.55
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	14	2.55
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	14	2.55
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	14	2.55
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	14	2.55
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	14	2.55
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	7	2.55
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	7	2.55
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	7	2.55
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	19	2.55
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	12	2.54
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	6	2.54
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	15	2.54
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	5	2.54
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	14	2.54
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	8	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	8	2.54
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	8	2.54
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	4	2.54
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	8	2.54
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	12	2.54
(1,1278)	1:69:A:LEU:HD21	1:62:A:LEU:HA	11	2.53
(1,1278)	1:69:A:LEU:HD22	1:62:A:LEU:HA	11	2.53
(1,1278)	1:69:A:LEU:HD23	1:62:A:LEU:HA	11	2.53
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	1	2.53
(1,1169)	1:65:A:PRO:HB3	1:26:A:LEU:HB3	10	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	1	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	3	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	7	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	10	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	11	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	15	2.53
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	20	2.53
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	17	2.53
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	15	2.53
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	20	2.53
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	20	2.53
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	13	2.52
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	2	2.52
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	4	2.52
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	8	2.52
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	16	2.52
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	17	2.52
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	16	2.52
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	18	2.52
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	1	2.52
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	1	2.52
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	17	2.52
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	17	2.52
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	10	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	9	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	9	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	9	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	9	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	9	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	9	2.52
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	9	2.52
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	9	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	9	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	12	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	12	2.52
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	12	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	12	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	12	2.52
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	12	2.52
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	12	2.52
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	12	2.52
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	12	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	3	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	3	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	3	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	13	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	13	2.52
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	13	2.52
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	13	2.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	10	2.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	10	2.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	20	2.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	20	2.51
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	1	2.51
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	12	2.51
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	12	2.51
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	13	2.51
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	18	2.51
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	17	2.51
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	4	2.51
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	4	2.51
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	4	2.51
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	4	2.51
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	1	2.51
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	2	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	15	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	15	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	15	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	15	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	15	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	15	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	15	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	15	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	15	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	16	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	16	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	16	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	16	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	16	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	16	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	16	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	16	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	16	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	17	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	17	2.51
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	17	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	17	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	17	2.51
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	17	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	17	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	17	2.51
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	17	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	6	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	6	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	7	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	7	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	8	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	8	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	9	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	9	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	12	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	12	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	13	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	13	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	19	2.51
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	19	2.51
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	16	2.51
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	16	2.51
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	16	2.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	3	2.5
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	3	2.5
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	1	2.5
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	9	2.5
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	7	2.5
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	9	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	1	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	1	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	1	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	1	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	1	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	1	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	1	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	1	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	1	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	2	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	2	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	2	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	2	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	2	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	2	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	2	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	2	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	2	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	19	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	19	2.5
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	19	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	19	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	19	2.5
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	19	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	19	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	19	2.5
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	19	2.5
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	4	2.5
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	4	2.5
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	4	2.5
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	3	2.5
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	3	2.5
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	7	2.49
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	7	2.49
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	7	2.49
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	7	2.49
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	7	2.49
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	7	2.49
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	7	2.49
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	7	2.49
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	7	2.49
(1,837)	1:46:A:VAL:H	1:61:A:SER:HB2	6	2.49
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	6	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	7	2.49
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	7	2.49
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	11	2.49
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	11	2.49
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	11	2.49
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	20	2.49
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	4	2.49
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	4	2.49
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	4	2.49
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	4	2.49
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	4	2.49
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	4	2.49
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	4	2.49
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	4	2.49
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	4	2.49
(1,1191)	1:66:A:ALA:H	1:25:A:THR:HB	19	2.48
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	6	2.48
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	15	2.48
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	15	2.48
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	16	2.48
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	16	2.48
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	15	2.48
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	15	2.48
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	4	2.48
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	4	2.48
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	4	2.48
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	14	2.47
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	14	2.47
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	14	2.47
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	14	2.47
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	14	2.47
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	14	2.47
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	14	2.47
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	14	2.47
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	14	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	8	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	8	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	8	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	8	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	8	2.47
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	8	2.47
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	3	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	20	2.47
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	20	2.47
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	20	2.47
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	20	2.47
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	4	2.47
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	4	2.47
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	7	2.47
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	7	2.47
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	7	2.47
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	7	2.47
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	7	2.47
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	7	2.47
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	7	2.47
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	7	2.47
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	7	2.47
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	2	2.47
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	2	2.47
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	14	2.46
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	14	2.46
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	8	2.46
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	3	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	20	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	20	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	20	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	20	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	20	2.45
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	20	2.45
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	8	2.45
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	11	2.44
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	17	2.44
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	17	2.44
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	17	2.44
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	1	2.43
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	6	2.43
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	6	2.43
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	6	2.43
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	6	2.42
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	6	2.42
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	2	2.42
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	2	2.42
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	2	2.42
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	2	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	5	2.41
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	7	2.41
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	7	2.41
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	1	2.41
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	1	2.41
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	1	2.41
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	11	2.4
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	18	2.4
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	18	2.4
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	14	2.39
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	7	2.39
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	13	2.39
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	13	2.39
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	13	2.39
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	13	2.39
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	13	2.39
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	13	2.39
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	13	2.39
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	13	2.39
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	13	2.39
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	6	2.39
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	6	2.39
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	6	2.39
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	6	2.39
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	6	2.39
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	6	2.39
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	6	2.39
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	6	2.39
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	6	2.39
(1,1458)	1:77:A:VAL:H	1:78:A:PRO:HB3	7	2.38
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	6	2.38
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	6	2.38
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	16	2.38
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	16	2.38
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	16	2.38
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	16	2.38
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	16	2.38
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	16	2.38
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	16	2.38
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	16	2.38
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	16	2.38
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	3	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	7	2.38
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	7	2.38
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	7	2.38
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	6	2.38
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	6	2.38
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	17	2.37
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	8	2.37
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	8	2.37
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	8	2.37
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	17	2.36
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	7	2.36
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	7	2.36
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	9	2.36
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	17	2.35
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	17	2.35
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	17	2.35
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	17	2.35
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	17	2.35
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	17	2.35
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	10	2.35
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	16	2.35
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	19	2.35
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	19	2.35
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	19	2.35
(1,486)	1:28:A:GLU:H	1:24:A:LEU:H	1	2.35
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	3	2.35
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	3	2.35
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	19	2.34
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	17	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	1	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	2	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	3	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	4	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	7	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	9	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	10	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	11	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	13	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	15	2.34
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	20	2.34
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	14	2.34
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	14	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	14	2.34
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	5	2.33
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	12	2.33
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	5	2.33
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	17	2.33
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	17	2.33
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	17	2.33
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	8	2.32
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	14	2.32
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	17	2.32
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	7	2.32
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	9	2.32
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD2	3	2.32
(1,501)	1:29:A:ALA:H	1:32:A:LYS:HD3	3	2.32
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	13	2.31
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	13	2.31
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	13	2.31
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	16	2.31
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	10	2.31
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	9	2.31
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	9	2.31
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	9	2.31
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	8	2.31
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	8	2.31
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	8	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	4	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	4	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	4	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	4	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	4	2.31
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	4	2.31
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	10	2.31
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	10	2.31
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	10	2.31
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	10	2.31
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	10	2.31
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	10	2.31
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	10	2.31
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	10	2.31
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	10	2.31
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	11	2.31
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	11	2.31
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	12	2.3
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	12	2.3
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	12	2.3
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	12	2.3
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	12	2.3
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	12	2.3
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	18	2.3
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	6	2.3
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	6	2.3
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	10	2.3
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	7	2.3
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	12	2.29
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	5	2.29
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	2	2.29
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	14	2.29
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	14	2.29
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	14	2.29
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	8	2.28
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	8	2.28
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	17	2.28
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	18	2.28
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	18	2.28
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	9	2.28
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	3	2.28
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	7	2.27
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	7	2.27
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	7	2.27
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	7	2.27
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	7	2.27
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	7	2.27
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	19	2.27
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	19	2.27
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	18	2.27
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	18	2.27
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	15	2.26
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	15	2.26
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	14	2.26
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	14	2.26
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	14	2.26
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	14	2.26
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	14	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	14	2.26
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	8	2.26
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	8	2.26
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	8	2.26
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	5	2.26
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	8	2.26
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	8	2.26
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	8	2.26
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	8	2.26
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	8	2.26
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	8	2.26
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	8	2.26
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	8	2.26
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	8	2.26
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	7	2.25
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	1	2.25
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	1	2.25
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	5	2.24
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	5	2.24
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	5	2.24
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	5	2.24
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	5	2.24
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	5	2.24
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	5	2.24
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	5	2.24
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	5	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	6	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	6	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	6	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	6	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	6	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	6	2.24
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	16	2.24
(1,727)	1:41:A:PRO:HD2	1:42:A:ASN:HA	19	2.24
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	14	2.24
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	19	2.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	18	2.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	18	2.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	18	2.24
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	9	2.23
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	9	2.23
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	9	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	9	2.23
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	9	2.23
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	9	2.23
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	14	2.23
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	1	2.23
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	20	2.23
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	2	2.22
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	17	2.22
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	17	2.22
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	13	2.22
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	9	2.21
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	9	2.21
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	9	2.21
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	16	2.21
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	16	2.21
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	16	2.21
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	16	2.21
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	3	2.21
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	6	2.21
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	2	2.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	2	2.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	2	2.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	3	2.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	3	2.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	3	2.2
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	1	2.2
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	11	2.2
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	14	2.2
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	4	2.2
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	12	2.2
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	12	2.2
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG21	5	2.2
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG22	5	2.2
(1,71)	1:6:A:ILE:H	1:18:A:ILE:HG23	5	2.2
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	9	2.19
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	13	2.19
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	14	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	18	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	5	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	5	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	5	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	5	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	5	2.19
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	5	2.19
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	1	2.19
(1,594)	1:33:A:ALA:HB1	1:29:A:ALA:HA	19	2.19
(1,594)	1:33:A:ALA:HB2	1:29:A:ALA:HA	19	2.19
(1,594)	1:33:A:ALA:HB3	1:29:A:ALA:HA	19	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	4	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	4	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	4	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	15	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	15	2.19
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	15	2.19
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	20	2.19
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	18	2.19
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	19	2.19
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	15	2.18
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	19	2.18
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	2	2.18
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	13	2.18
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	4	2.17
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	4	2.17
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	4	2.17
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	4	2.17
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	4	2.17
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	4	2.17
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	9	2.17
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	18	2.17
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	8	2.17
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	13	2.17
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	20	2.16
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	15	2.16
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	11	2.16
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	5	2.16
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	11	2.16
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	14	2.16
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	2	2.16
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	20	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	20	2.15
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	20	2.15
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	20	2.15
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	10	2.15
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	4	2.15
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	7	2.15
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	9	2.15
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	11	2.15
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	18	2.15
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	18	2.15
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	18	2.15
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	18	2.15
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	18	2.15
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	18	2.15
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	18	2.15
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	18	2.15
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	18	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	5	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	19	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	19	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	19	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	19	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	19	2.15
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	19	2.15
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	6	2.15
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	15	2.15
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	8	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	3	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	3	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	3	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	3	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	3	2.14
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	3	2.14
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	19	2.14
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	15	2.13
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	15	2.13
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	11	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	8	2.13
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	20	2.13
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	20	2.13
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	11	2.13
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	18	2.12
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	13	2.12
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	13	2.12
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	13	2.12
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	13	2.12
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	12	2.12
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	9	2.12
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	9	2.12
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	9	2.12
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	6	2.12
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	6	2.12
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	6	2.12
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	18	2.12
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	18	2.12
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	18	2.12
(1,1500)	1:79:A:LEU:HB2	1:42:A:ASN:HA	17	2.11
(1,1500)	1:79:A:LEU:HB3	1:42:A:ASN:HA	17	2.11
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	17	2.11
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	17	2.11
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	17	2.11
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	3	2.11
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	1	2.11
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	1	2.11
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	1	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	2	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	2	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	2	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	2	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	2	2.11
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	2	2.11
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	6	2.11
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	9	2.11
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	3	2.11
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	3	2.11
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	3	2.11
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	4	2.1
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	5	2.1
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	1	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	1	2.1
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	1	2.1
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	1	2.1
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	1	2.1
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	1	2.1
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	12	2.1
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	12	2.1
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	12	2.1
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	12	2.1
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	11	2.1
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	11	2.1
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	11	2.1
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	13	2.1
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	20	2.1
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	13	2.09
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	13	2.09
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	10	2.09
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	10	2.09
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	10	2.09
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	3	2.09
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	10	2.09
(1,1181)	1:65:A:PRO:HD3	1:24:A:LEU:HA	6	2.08
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	12	2.08
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	3	2.08
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	16	2.08
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	16	2.08
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	16	2.08
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	14	2.08
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	8	2.08
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	10	2.08
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	10	2.08
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	10	2.08
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	7	2.08
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	2	2.07
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	2	2.07
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	19	2.07
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	17	2.07
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	2	2.07
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	8	2.06
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	1	2.06
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	10	2.06
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	15	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	8	2.06
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	8	2.06
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	8	2.06
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	8	2.06
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	8	2.06
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	8	2.06
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	2	2.06
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	13	2.05
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	13	2.05
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	13	2.05
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	13	2.05
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	13	2.05
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	13	2.05
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	11	2.05
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	1	2.05
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	1	2.05
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	1	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	14	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	14	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	14	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	20	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	20	2.05
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	20	2.05
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	19	2.05
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	13	2.05
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	13	2.05
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	13	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	1	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	1	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	1	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	1	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	1	2.05
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	1	2.05
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	18	2.04
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	18	2.04
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	6	2.04
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	10	2.04
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	10	2.04
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	12	2.04
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	16	2.04
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	17	2.04
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	14	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	11	2.03
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	11	2.03
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	19	2.03
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	19	2.03
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	13	2.03
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	17	2.03
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	17	2.03
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	17	2.03
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	20	2.03
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	20	2.03
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	20	2.03
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	20	2.03
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	20	2.03
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	20	2.03
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	1	2.03
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	20	2.03
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	19	2.03
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	19	2.03
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	19	2.03
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	4	2.02
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	4	2.02
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	4	2.02
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	3	2.02
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	16	2.02
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	16	2.02
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	1	2.01
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	18	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	13	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	13	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	13	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	13	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	13	2.01
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	13	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	11	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	11	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	11	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	19	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	19	2.01
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	19	2.01
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	11	2.0
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	11	2.0
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	12	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	12	2.0
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	18	2.0
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	18	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	16	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	16	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	16	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	16	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	16	2.0
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	16	2.0
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	3	2.0
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	3	2.0
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	3	2.0
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	12	2.0
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	14	1.99
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	14	1.99
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	14	1.99
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	12	1.99
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	12	1.99
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	12	1.99
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	3	1.99
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	6	1.99
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	6	1.99
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	2	1.99
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	19	1.99
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	4	1.99
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	13	1.99
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	16	1.98
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	16	1.98
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	16	1.98
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	3	1.98
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	3	1.98
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	5	1.98
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	5	1.98
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	11	1.98
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	12	1.98
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	12	1.98
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	12	1.98
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	20	1.98
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	5	1.98
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	4	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	4	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	7	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	7	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	8	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	8	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	9	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	9	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	15	1.97
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	15	1.97
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	2	1.97
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	2	1.97
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	2	1.97
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	4	1.97
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	13	1.97
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	5	1.97
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	5	1.97
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	5	1.97
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	5	1.97
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	5	1.97
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	5	1.97
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	5	1.97
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	7	1.97
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	10	1.97
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	7	1.96
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	7	1.96
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	7	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	2	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	2	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	14	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	14	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	16	1.96
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	16	1.96
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	1	1.96
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	6	1.96
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	6	1.96
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	6	1.96
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	6	1.96
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	9	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	11	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	11	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	11	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	11	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	11	1.96
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	3	1.96
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	3	1.96
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	3	1.96
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	6	1.95
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	8	1.95
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	11	1.95
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	20	1.95
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	20	1.95
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	8	1.95
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	4	1.95
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	8	1.94
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	8	1.94
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	8	1.94
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	15	1.94
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	19	1.94
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	17	1.94
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	17	1.94
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	14	1.94
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	14	1.94
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	14	1.94
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	15	1.94
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	5	1.94
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	16	1.94
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	5	1.94
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	5	1.94
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	5	1.94
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	5	1.94
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	5	1.94
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	5	1.94
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	5	1.94
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	5	1.94
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	5	1.94
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	15	1.94
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	12	1.94
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	5	1.94
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	18	1.94
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	20	1.94
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	16	1.93
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	16	1.93
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	16	1.93
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	7	1.93
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	7	1.93
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	9	1.93
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	9	1.93
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	9	1.93
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	16	1.93
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	18	1.93
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	4	1.93
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	4	1.93
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	4	1.93
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	4	1.93
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	8	1.93
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	20	1.93
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	2	1.93
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	3	1.93
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	3	1.93
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	3	1.93
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	19	1.92
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	19	1.92
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	19	1.92
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	4	1.92
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	5	1.92
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	7	1.92
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	13	1.92
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	13	1.92
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	6	1.92
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	19	1.92
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	20	1.92
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	1	1.92
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	1	1.92
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	1	1.92
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	1	1.92
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	1	1.92
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	1	1.92
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	1	1.92
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	1	1.92
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	1	1.92
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	16	1.92
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	15	1.92
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	20	1.92
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	16	1.92
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	4	1.92
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	12	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	2	1.92
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	2	1.92
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	2	1.92
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	16	1.92
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	5	1.92
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	9	1.91
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	10	1.91
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	12	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	11	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	11	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	11	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	16	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	16	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	16	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	17	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	17	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	17	1.91
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	19	1.91
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	19	1.91
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	19	1.91
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	19	1.91
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	19	1.91
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	19	1.91
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	19	1.91
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	19	1.91
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	19	1.91
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	14	1.91
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	11	1.91
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	2	1.91
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	18	1.91
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	18	1.91
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	18	1.91
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	5	1.91
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	5	1.91
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	5	1.91
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	7	1.9
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	7	1.9
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	7	1.9
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	7	1.9
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	7	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	4	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	4	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	4	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	4	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	4	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	4	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	4	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	4	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	4	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	11	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	11	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	11	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	11	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	11	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	11	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	11	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	11	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	11	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	17	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	17	1.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	17	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	17	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	17	1.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	17	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	17	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	17	1.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	17	1.9
(1,510)	1:29:A:ALA:H	1:32:A:LYS:H	3	1.9
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	6	1.9
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	1	1.9
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	1	1.9
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	1	1.9
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	2	1.89
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	2	1.89
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	1	1.89
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	1	1.89
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	1	1.89
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	17	1.89
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	16	1.89
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	16	1.89
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	16	1.89
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	5	1.89
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	12	1.89
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	12	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	12	1.89
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	18	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	18	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	18	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	20	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	20	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	20	1.88
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	14	1.88
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	6	1.88
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	10	1.88
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	11	1.88
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	11	1.88
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	11	1.88
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	1	1.88
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	1	1.88
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	1	1.88
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	6	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	6	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	6	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	9	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	9	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	9	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	12	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	12	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	12	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	19	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	19	1.87
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	19	1.87
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	18	1.87
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	19	1.87
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	4	1.87
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	13	1.87
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	3	1.87
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	14	1.87
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	13	1.87
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	17	1.86
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	17	1.86
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	8	1.86
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	8	1.86
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	8	1.86
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	3	1.86
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	19	1.86
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	19	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	8	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	8	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	8	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	15	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	15	1.86
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	15	1.86
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	10	1.86
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	6	1.86
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	4	1.86
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	13	1.86
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	16	1.86
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	11	1.86
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	11	1.86
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	11	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	12	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	18	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	18	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	18	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	18	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	18	1.86
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	18	1.86
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	7	1.86
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	8	1.85
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	8	1.85
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	15	1.85
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	15	1.85
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	15	1.85
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	18	1.85
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	18	1.85
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	18	1.85
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	1	1.85
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	1	1.85
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	18	1.85
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	15	1.85
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	10	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	10	1.85
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	10	1.85
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	18	1.85
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	18	1.85
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	18	1.85
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	1	1.85
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	11	1.84
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	11	1.84
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	15	1.84
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	15	1.84
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	15	1.84
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	3	1.84
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	3	1.84
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	3	1.84
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	14	1.84
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	5	1.84
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	5	1.84
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	11	1.84
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	11	1.84
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	11	1.84
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	11	1.84
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	9	1.84
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	9	1.84
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	3	1.84
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	3	1.84
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	18	1.84
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	11	1.83
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	17	1.83
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	17	1.83
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	17	1.83
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	19	1.83
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	4	1.83
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	4	1.83
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	4	1.83
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	20	1.83
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	20	1.83
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	20	1.83
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	3	1.83
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	3	1.83
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	3	1.83
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	3	1.83
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	3	1.83
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	3	1.83
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	3	1.83
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	3	1.83
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	11	1.82
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	15	1.82
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	5	1.82
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	5	1.82
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	5	1.82
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	14	1.82
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	14	1.82
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	14	1.82
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	5	1.82
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	10	1.82
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	10	1.82
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	10	1.82
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	12	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	17	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	17	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	17	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	17	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	17	1.81
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	17	1.81
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	11	1.81
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	11	1.81
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	11	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	15	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	15	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	15	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	15	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	15	1.81
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	15	1.81
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	12	1.81
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	15	1.81
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	19	1.81
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	19	1.81
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	19	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	3	1.81
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	3	1.81
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	3	1.81
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	1	1.81
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	4	1.81
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	7	1.81
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	8	1.81
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	9	1.81
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	1	1.81
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	1	1.81
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	3	1.8
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	3	1.8
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	20	1.8
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	20	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	7	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	7	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	7	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	7	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	7	1.8
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	7	1.8
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	13	1.8
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	13	1.8
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	13	1.8
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	2	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	12	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	12	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	12	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	12	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	12	1.8
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	12	1.8
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	19	1.8
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	1	1.8
(1,697)	1:39:A:ILE:HA	1:35:A:LYS:HA	12	1.8
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	15	1.8
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	2	1.8
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	3	1.8
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	8	1.8
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	8	1.8
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	8	1.8
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	17	1.8
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	17	1.8
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	17	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	2	1.8
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	5	1.8
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	10	1.8
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	5	1.79
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	20	1.79
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	1	1.79
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	1	1.79
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	1	1.79
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	1	1.79
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	11	1.79
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	12	1.79
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	18	1.79
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	10	1.79
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	10	1.79
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	6	1.79
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	8	1.79
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	8	1.79
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	8	1.79
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	13	1.78
(1,1072)	1:60:A:LEU:H	1:61:A:SER:HG	9	1.78
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	18	1.78
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	18	1.78
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	18	1.78
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	3	1.78
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	19	1.77
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB1	5	1.77
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB2	5	1.77
(1,1146)	1:64:A:HIS:H	1:66:A:ALA:HB3	5	1.77
(1,696)	1:39:A:ILE:HA	1:44:A:VAL:HB	14	1.77
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	18	1.77
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	18	1.77
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	17	1.77
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	4	1.77
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	13	1.77
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	17	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	7	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	7	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	7	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	7	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	7	1.77
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	7	1.77
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	6	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	6	1.77
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	6	1.77
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	15	1.77
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	15	1.77
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	15	1.77
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	9	1.76
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	9	1.76
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	9	1.76
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	19	1.76
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	19	1.76
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	19	1.76
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	4	1.76
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	14	1.76
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	12	1.76
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	13	1.75
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	13	1.75
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	13	1.75
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	15	1.75
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	15	1.75
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	15	1.75
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	3	1.75
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	3	1.75
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	3	1.75
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	8	1.75
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	11	1.75
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	12	1.75
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	19	1.75
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	11	1.75
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	17	1.75
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	20	1.75
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	20	1.75
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	20	1.75
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	4	1.75
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	4	1.75
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	4	1.75
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	14	1.74
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	14	1.74
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	14	1.74
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	2	1.74
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	3	1.74
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	6	1.74
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	17	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	18	1.74
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	6	1.74
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	6	1.74
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	2	1.74
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	12	1.74
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	12	1.74
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	12	1.74
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	1	1.73
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	9	1.73
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	15	1.73
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	14	1.73
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	6	1.73
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	6	1.73
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	10	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	16	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	16	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	16	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	16	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	16	1.73
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	16	1.73
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	11	1.73
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	11	1.73
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	11	1.73
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	18	1.72
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	18	1.72
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	18	1.72
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	18	1.72
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	18	1.72
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	18	1.72
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	18	1.72
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	18	1.72
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	18	1.72
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	16	1.72
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	16	1.72
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	16	1.72
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	16	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	12	1.72
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	12	1.72
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	12	1.72
(1,844)	1:46:A:VAL:H	1:76:A:VAL:H	15	1.72
(1,664)	1:37:A:ARG:H	1:34:A:LEU:H	20	1.72
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	4	1.72
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	4	1.72
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	4	1.72
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	11	1.72
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	11	1.72
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	11	1.72
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	11	1.72
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	11	1.72
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	11	1.72
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	11	1.72
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	11	1.72
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	11	1.72
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	9	1.71
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	13	1.71
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	10	1.71
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	10	1.71
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	10	1.71
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	14	1.71
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	20	1.71
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	2	1.71
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	12	1.71
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	7	1.71
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	3	1.71
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	3	1.71
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	3	1.71
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	8	1.71
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	8	1.71
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	8	1.71
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	18	1.71
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	18	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	1	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	1	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	1	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	8	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	8	1.71
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	8	1.71
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	7	1.71
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	7	1.71
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	7	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	7	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	7	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	7	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	7	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	7	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	7	1.71
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	9	1.71
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	9	1.71
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	9	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	9	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	9	1.71
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	9	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	9	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	9	1.71
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	9	1.71
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	16	1.71
(1,583)	1:33:A:ALA:HA	1:35:A:LYS:HA	20	1.71
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	11	1.71
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	19	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	3	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	8	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	20	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	20	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	20	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	20	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	20	1.7
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	20	1.7
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	4	1.7
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	4	1.7
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	11	1.7
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	11	1.7
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	11	1.7
(1,607)	1:34:A:LEU:HA	1:41:A:PRO:HB3	2	1.7
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	2	1.7
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	3	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	19	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	19	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	19	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	19	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	19	1.7
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	19	1.7
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	5	1.7
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	6	1.7
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	6	1.7
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	6	1.7
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	14	1.69
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	14	1.69
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	14	1.69
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	14	1.69
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	14	1.69
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	14	1.69
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	14	1.69
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	14	1.69
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	14	1.69
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	13	1.69
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	13	1.69
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	13	1.69
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	20	1.69
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	20	1.69
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	20	1.69
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	11	1.69
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG2	10	1.69
(1,1150)	1:64:A:HIS:H	1:65:A:PRO:HG3	10	1.69
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	13	1.69
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	13	1.69
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	13	1.69
(1,622)	1:35:A:LYS:H	1:34:A:LEU:HG	19	1.69
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	13	1.69
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	13	1.69
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:73:A:LYS:HE2	1:74:A:LEU:HG	12	1.68
(1,1389)	1:73:A:LYS:HE3	1:74:A:LEU:HG	12	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	10	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	10	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	10	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	10	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	10	1.68
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	10	1.68
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	10	1.68
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	14	1.68
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	18	1.68
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	20	1.68
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	6	1.68
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	6	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	18	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	18	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	18	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	18	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	18	1.68
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	18	1.68
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	15	1.68
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	15	1.68
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	15	1.68
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	15	1.68
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	20	1.68
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	20	1.68
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	20	1.68
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	20	1.68
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	20	1.68
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	20	1.68
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	20	1.68
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	20	1.68
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	20	1.68
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	7	1.67
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	10	1.67
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	10	1.67
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	10	1.67
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	6	1.67
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	6	1.67
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	6	1.67
(1,1179)	1:65:A:PRO:HD3	1:26:A:LEU:HB3	13	1.67
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	7	1.67
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	16	1.67
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	17	1.67
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	10	1.67
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	10	1.67
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	1	1.67
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	1	1.67
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	1	1.67
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	6	1.67
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	6	1.67
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	6	1.67
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	13	1.67
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	13	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	6	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	6	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	6	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	16	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	16	1.67
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	16	1.67
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	5	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	11	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	11	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	11	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	11	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	11	1.67
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	11	1.67
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	16	1.67
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	20	1.66
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	20	1.66
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	20	1.66
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	20	1.66
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	2	1.66
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	2	1.66
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	2	1.66
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	4	1.66
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	6	1.66
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	9	1.66
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	13	1.66
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	10	1.66
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	10	1.66
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	3	1.66
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	3	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	3	1.66
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	10	1.66
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	10	1.66
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	10	1.66
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	15	1.66
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	15	1.66
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	15	1.66
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	13	1.66
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	13	1.66
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	12	1.65
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	12	1.65
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	12	1.65
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	12	1.65
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	12	1.65
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	12	1.65
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	12	1.65
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	16	1.65
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	16	1.65
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	16	1.65
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	16	1.65
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	16	1.65
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	16	1.65
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	16	1.65
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	16	1.65
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	16	1.65
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	3	1.65
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	5	1.65
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	5	1.65
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	2	1.65
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	2	1.65
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	4	1.65
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	4	1.65
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	12	1.65
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	14	1.65
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	16	1.65
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	5	1.65
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	16	1.65
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	16	1.65
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	16	1.65
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	3	1.64
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	20	1.64
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	11	1.64
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	11	1.64
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	11	1.64
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	13	1.64
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	13	1.64
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	13	1.64
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	13	1.64
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	8	1.64
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	17	1.64
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	17	1.64
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	18	1.64
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	18	1.64
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	18	1.64
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	6	1.64
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	6	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	1	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	1	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	11	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	11	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	15	1.64
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	15	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	4	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	4	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	4	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	11	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	11	1.64
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	11	1.64
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	16	1.64
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	16	1.64
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	16	1.64
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	16	1.64
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	4	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	18	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	18	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	18	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	18	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	18	1.64
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	18	1.64
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	12	1.64
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	14	1.64
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	14	1.64
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	10	1.63
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	12	1.63
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	14	1.63
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	16	1.63
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	19	1.63
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	3	1.63
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	3	1.63
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	3	1.63
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	3	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	13	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	13	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	13	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	13	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	13	1.63
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	13	1.63
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	3	1.63
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	3	1.63
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	3	1.63
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	7	1.63
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	7	1.63
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	7	1.63
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	7	1.63
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	7	1.63
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	7	1.63
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	7	1.63
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	7	1.63
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	7	1.63
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	14	1.63
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	5	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	4	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	4	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	4	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	9	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	9	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	9	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	11	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	11	1.63
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	11	1.63
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	12	1.63
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	19	1.63
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	19	1.63
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	19	1.63
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	19	1.63
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	19	1.63
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	7	1.63
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	6	1.63
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	6	1.63
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	6	1.63
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	10	1.63
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	13	1.63
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	13	1.63
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	13	1.63
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	13	1.63
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	13	1.63
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	13	1.63
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	8	1.63
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	8	1.63
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	4	1.63
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	4	1.63
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	5	1.63
(1,121)	1:8:A:VAL:H	1:75:A:LYS:HD2	16	1.63
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	14	1.63
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	5	1.63
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	8	1.62
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	11	1.62
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	17	1.62
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	4	1.62
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	4	1.62
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	19	1.62
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	19	1.62
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	19	1.62
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	19	1.62
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	10	1.62
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	10	1.62
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	10	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	11	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	11	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	11	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	11	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	11	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	11	1.62
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	11	1.62
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	11	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	11	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	12	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	12	1.62
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	12	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	12	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	12	1.62
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	12	1.62
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	12	1.62
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	12	1.62
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	12	1.62
(1,1159)	1:64:A:HIS:H	1:66:A:ALA:H	15	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	2	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	2	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	2	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	7	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	7	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	7	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	13	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	13	1.62
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	13	1.62
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	12	1.62
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	20	1.62
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	5	1.62
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	5	1.62
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	5	1.62
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	3	1.62
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	3	1.62
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	3	1.62
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	1	1.62
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	1	1.62
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	1	1.62
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	12	1.62
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	12	1.62
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	5	1.62
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	5	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	9	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	9	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	9	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	9	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	9	1.62
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	9	1.62
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	9	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	9	1.62
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	9	1.62
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	9	1.62
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	9	1.62
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	9	1.62
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	9	1.62
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	3	1.62
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	3	1.62
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	3	1.62
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	3	1.62
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	3	1.62
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	3	1.62
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	3	1.62
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	3	1.62
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	3	1.62
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	15	1.62
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	12	1.62
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	12	1.62
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	12	1.62
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	3	1.61
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	17	1.61
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	17	1.61
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	17	1.61
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	17	1.61
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	17	1.61
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	17	1.61
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	7	1.61
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	7	1.61
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	7	1.61
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	18	1.61
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	2	1.61
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	13	1.61
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	15	1.61
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	6	1.61
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	6	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	6	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	6	1.61
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	15	1.61
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	15	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	15	1.61
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	15	1.61
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	17	1.61
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	17	1.61
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	17	1.61
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	5	1.61
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	5	1.61
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	5	1.61
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	5	1.61
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	5	1.61
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	5	1.61
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	5	1.61
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	5	1.61
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	5	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	3	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	3	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	3	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	14	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	14	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	14	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	16	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	16	1.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	16	1.61
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	5	1.61
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	15	1.61
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	5	1.61
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	15	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	4	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	4	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	4	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	11	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	11	1.61
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	11	1.61
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	1	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	1	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	1	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	1	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	1	1.61
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	2	1.61
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	2	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	2	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	2	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	2	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	2	1.61
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	10	1.61
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	10	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	10	1.61
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	10	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	10	1.61
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	10	1.61
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	5	1.61
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	14	1.61
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	14	1.61
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	14	1.61
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	14	1.61
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	14	1.61
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	14	1.61
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	5	1.61
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	5	1.61
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	5	1.61
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	4	1.61
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	10	1.61
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	12	1.61
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	16	1.61
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	17	1.61
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	1	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	1	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	1	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	1	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	1	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	1	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	2	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	4	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	5	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	6	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	7	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	13	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	15	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	15	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	15	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	15	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	15	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	15	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	19	1.6
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	20	1.6
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	20	1.6
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	20	1.6
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	20	1.6
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	20	1.6
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	20	1.6
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	15	1.6
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	1	1.6
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	4	1.6
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	5	1.6
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	5	1.6
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	7	1.6
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	7	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	5	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	5	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	5	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	5	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	5	1.6
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	5	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	1	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	1	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	1	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	1	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	1	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	1	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	1	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	1	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	1	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	3	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	3	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	3	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	3	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	3	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	3	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	3	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	3	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	3	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	10	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	10	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	10	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	10	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	10	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	10	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	10	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	10	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	10	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	17	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	17	1.6
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	17	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	17	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	17	1.6
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	17	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	17	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	17	1.6
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	17	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	10	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	10	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	10	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	19	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	19	1.6
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	19	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	9	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	9	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	9	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	9	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	9	1.6
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	9	1.6
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	6	1.6
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	3	1.6
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	6	1.6
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	8	1.6
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	14	1.6
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	17	1.6
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	2	1.6
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	9	1.6
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	9	1.6
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	9	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	9	1.6
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	9	1.6
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	9	1.6
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	5	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	16	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	16	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	16	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	16	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	16	1.6
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	16	1.6
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	11	1.6
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	20	1.6
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	20	1.6
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	4	1.6
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	12	1.6
(1,432)	1:26:A:LEU:HA	1:61:A:SER:HB3	20	1.6
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	11	1.6
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	20	1.6
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	9	1.6
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	17	1.6
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	17	1.6
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	3	1.6
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	11	1.6
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	2	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	1	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	1	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	1	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	15	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	15	1.59
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	15	1.59
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	18	1.59
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	18	1.59
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	18	1.59
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	18	1.59
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	18	1.59
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	18	1.59
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	18	1.59
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	14	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	2	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	5	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	6	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	7	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	8	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	9	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	13	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	14	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	15	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	16	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	17	1.59
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	19	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	15	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	15	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	15	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	17	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	17	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	17	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	19	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	19	1.59
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	19	1.59
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	18	1.59
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	19	1.58
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	12	1.58
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	12	1.58
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	12	1.58
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	14	1.58
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	9	1.58
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	18	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	1	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	3	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	4	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	10	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	11	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	12	1.58
(1,390)	1:24:A:LEU:H	1:25:A:THR:H	18	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	2	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	2	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	2	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	3	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	3	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	3	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	6	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	6	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	6	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	14	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	14	1.58
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	14	1.58
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	17	1.58
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	3	1.58
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	3	1.58
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	3	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	7	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	7	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	7	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	20	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	20	1.58
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	20	1.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	16	1.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	16	1.58
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	18	1.57
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	10	1.57
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	10	1.57
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	2	1.57
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	1	1.57
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	4	1.57
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	10	1.57
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	16	1.57
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	15	1.57
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	15	1.57
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	18	1.57
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	9	1.57
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	2	1.57
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	2	1.57
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	11	1.57
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	11	1.57
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	11	1.57
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	11	1.57
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	11	1.57
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	11	1.57
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	19	1.57
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	5	1.57
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	5	1.57
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	5	1.57
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	13	1.57
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	3	1.57
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	3	1.57
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	7	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	7	1.57
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	12	1.57
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	12	1.57
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	16	1.57
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	16	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	10	1.57
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	10	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	1	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	1	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	8	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	8	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	8	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	10	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	10	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	10	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	12	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	12	1.57
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	12	1.57
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	7	1.57
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	13	1.56
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	13	1.56
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	13	1.56
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	9	1.56
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	1	1.56
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	1	1.56
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	4	1.56
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	4	1.56
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	17	1.56
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	17	1.56
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	17	1.56
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	17	1.56
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	17	1.56
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	17	1.56
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	20	1.56
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	20	1.56
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	20	1.56
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	20	1.56
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	20	1.56
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	20	1.56
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	2	1.56
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	2	1.56
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	2	1.56
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	12	1.56
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	12	1.56
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	12	1.56
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	17	1.56
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	4	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	4	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	4	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	4	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	7	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	7	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	7	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	16	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	16	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	16	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	18	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	18	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	18	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	20	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	20	1.56
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	20	1.56
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	1	1.56
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	2	1.56
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	2	1.56
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	2	1.56
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	14	1.56
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	6	1.56
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	6	1.56
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	6	1.56
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	20	1.55
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	1	1.55
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	18	1.55
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	2	1.55
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	3	1.55
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	9	1.55
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	9	1.55
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	11	1.55
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	11	1.55
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	14	1.55
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	14	1.55
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	14	1.55
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	14	1.55
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	14	1.55
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	14	1.55
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	3	1.55
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	3	1.55
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	3	1.55
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	13	1.55
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	13	1.55
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	13	1.55
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	15	1.55
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	18	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	11	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	11	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	11	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	13	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	13	1.55
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	13	1.55
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	2	1.55
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	6	1.55
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	13	1.55
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	13	1.55
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	13	1.55
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	10	1.55
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	8	1.54
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	18	1.54
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	18	1.54
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	18	1.54
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	18	1.54
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	18	1.54
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	18	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	9	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	9	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	9	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	9	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	9	1.54
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	9	1.54
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	20	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	1	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	7	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	13	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	14	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	15	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	20	1.54
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	8	1.54
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	17	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	9	1.54
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	9	1.54
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	9	1.54
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	3	1.54
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	15	1.54
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	11	1.54
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	11	1.54
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	11	1.54
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	15	1.54
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	15	1.54
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	19	1.54
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	4	1.54
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	15	1.54
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	11	1.54
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	5	1.54
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	5	1.54
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	11	1.54
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	11	1.53
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	1	1.53
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	1	1.53
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	3	1.53
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	3	1.53
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	2	1.53
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	15	1.53
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	15	1.53
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	15	1.53
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	15	1.53
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	20	1.53
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	6	1.53
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	6	1.53
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	9	1.53
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	9	1.53
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB1	9	1.53
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB2	9	1.53
(1,381)	1:24:A:LEU:H	1:66:A:ALA:HB3	9	1.53
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	6	1.53
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	4	1.53
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	16	1.53
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	17	1.53
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	17	1.53
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	17	1.53
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	8	1.52
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	2	1.52
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	2	1.52
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	2	1.52
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	2	1.52
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	2	1.52
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	2	1.52
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	2	1.52
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	2	1.52
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	2	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	5	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	5	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	5	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	17	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	17	1.52
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	17	1.52
(1,1140)	1:63:A:ASN:HA	1:25:A:THR:HA	10	1.52
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	5	1.52
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	5	1.52
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	5	1.52
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	14	1.52
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	14	1.52
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	13	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	3	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	3	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	3	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	12	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	12	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	12	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	20	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	20	1.52
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	20	1.52
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	16	1.52
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	16	1.52
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	5	1.52
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	16	1.52
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	16	1.52
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	14	1.52
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	17	1.52
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	8	1.52
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	8	1.52
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	17	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	17	1.52
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	8	1.52
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	9	1.52
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	9	1.52
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	16	1.52
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	5	1.52
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	14	1.52
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	17	1.52
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	12	1.52
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	5	1.52
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	5	1.52
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	5	1.52
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	5	1.51
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	5	1.51
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	5	1.51
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	16	1.51
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	16	1.51
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	16	1.51
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	10	1.51
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	5	1.51
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	19	1.51
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	10	1.51
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	14	1.51
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	20	1.51
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	16	1.51
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	16	1.51
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	16	1.51
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	7	1.51
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	10	1.51
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	10	1.51
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	18	1.51
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	18	1.51
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	18	1.51
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	4	1.51
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	9	1.51
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	10	1.51
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	11	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	13	1.51
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	17	1.51
(1,879)	1:48:A:LEU:H	1:49:A:LEU:HG	10	1.51
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	3	1.51
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	8	1.51
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	15	1.51
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	20	1.51
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	3	1.51
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	5	1.51
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	9	1.51
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	16	1.51
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	6	1.51
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	6	1.51
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	6	1.51
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	7	1.51
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	7	1.51
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	7	1.51
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	8	1.51
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	8	1.51
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	8	1.51
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	9	1.51
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	9	1.51
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	9	1.51
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	4	1.51
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	3	1.51
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	7	1.51
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	17	1.51
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	6	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	7	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	17	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	17	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	17	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	17	1.51
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	17	1.51
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	7	1.51
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	1	1.51
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	2	1.51
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	17	1.51
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	12	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	14	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	14	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	14	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	18	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	18	1.51
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	18	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	3	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	6	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	8	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	15	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	19	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	19	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	19	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	19	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	19	1.51
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	19	1.51
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	14	1.5
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	14	1.5
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	14	1.5
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	14	1.5
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	14	1.5
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	14	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	4	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	4	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	4	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	4	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	4	1.5
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	4	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	2	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	2	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	2	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	9	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	9	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	9	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	10	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	10	1.5
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	10	1.5
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	3	1.5
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	3	1.5
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	3	1.5
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	1	1.5
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	8	1.5
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	2	1.5
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	2	1.5
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	2	1.5
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	8	1.5
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	8	1.5
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	8	1.5
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	8	1.5
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	8	1.5
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	8	1.5
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	13	1.5
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	14	1.5
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	17	1.5
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	18	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	2	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	4	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	6	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	8	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	10	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	11	1.5
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	12	1.5
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	14	1.5
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	6	1.5
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	16	1.5
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	8	1.5
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	8	1.5
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	8	1.5
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	5	1.5
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	2	1.5
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	2	1.5
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	18	1.5
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	18	1.5
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	10	1.5
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	10	1.5
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	10	1.5
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	11	1.5
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	12	1.5
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	13	1.5
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	17	1.5
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	18	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	2	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	6	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	9	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	13	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	17	1.5
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	18	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	3	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	3	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	3	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	3	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	3	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	3	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	3	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	3	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	10	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	10	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	10	1.5
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	10	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	10	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	10	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	10	1.5
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	10	1.5
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	9	1.5
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	13	1.5
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	20	1.5
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	2	1.5
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	2	1.5
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	2	1.5
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	9	1.5
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	9	1.5
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	9	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	4	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	4	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	4	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	8	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	8	1.5
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	8	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	4	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	4	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	4	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	4	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	4	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	16	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	16	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	16	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	16	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	16	1.5
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	16	1.5
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	2	1.5
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	12	1.5
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	8	1.5
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	8	1.5
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	8	1.5
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	10	1.49
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	10	1.49
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	10	1.49
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	10	1.49
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	10	1.49
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	10	1.49
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	12	1.49
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	12	1.49
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	12	1.49
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	3	1.49
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	12	1.49
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	12	1.49
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	12	1.49
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	12	1.49
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	12	1.49
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	12	1.49
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	20	1.49
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	20	1.49
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	20	1.49
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	11	1.49
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	12	1.49
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	12	1.49
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	9	1.49
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	11	1.49
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	1	1.49
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	8	1.49
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	8	1.49
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	8	1.49
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	8	1.49
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	8	1.49
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	8	1.49
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	8	1.49
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	8	1.49
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	8	1.49
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	2	1.49
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	3	1.49
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	15	1.49
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	12	1.49
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	15	1.49
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	10	1.49
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	5	1.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	19	1.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	19	1.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	19	1.49
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	12	1.48
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	12	1.48
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	12	1.48
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	12	1.48
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	12	1.48
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	12	1.48
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	13	1.48
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	6	1.48
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	2	1.48
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	2	1.48
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	2	1.48
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	7	1.48
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	12	1.48
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	18	1.48
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	19	1.48
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	3	1.48
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	3	1.48
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	3	1.48
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	10	1.48
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	10	1.48
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	10	1.48
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	6	1.48
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	12	1.48
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	19	1.48
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	19	1.48
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	19	1.48
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	19	1.48
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	19	1.48
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	19	1.48
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	19	1.48
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	19	1.48
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	12	1.48
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	19	1.48
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	16	1.48
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	16	1.48
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	16	1.48
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	14	1.47
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	8	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	14	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	14	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	14	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	20	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	20	1.47
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	20	1.47
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	10	1.47
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	9	1.47
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	9	1.47
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	9	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	1	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	1	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	1	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	1	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	1	1.47
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	1	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	18	1.47
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	18	1.47
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	18	1.47
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	17	1.47
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	16	1.47
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	15	1.47
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	17	1.47
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	17	1.47
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	17	1.47
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	17	1.47
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	17	1.47
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	17	1.47
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	17	1.47
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	17	1.47
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	3	1.47
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	9	1.47
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	17	1.47
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	15	1.47
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	15	1.47
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	15	1.47
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	12	1.46
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	3	1.46
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	17	1.46
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	1	1.46
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	13	1.46
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	13	1.46
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	3	1.46
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	7	1.46
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	7	1.46
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	8	1.46
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	14	1.46
(1,511)	1:29:A:ALA:HA	1:34:A:LEU:HB2	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	11	1.46
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	11	1.46
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	11	1.46
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	3	1.46
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	9	1.46
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	2	1.46
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	20	1.46
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	20	1.46
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	20	1.46
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	20	1.46
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	20	1.46
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	20	1.46
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	20	1.46
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	20	1.46
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	20	1.46
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	13	1.46
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	5	1.46
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	14	1.46
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	20	1.46
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	1	1.46
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	1	1.45
(1,1198)	1:66:A:ALA:HB1	1:26:A:LEU:HG	5	1.45
(1,1198)	1:66:A:ALA:HB2	1:26:A:LEU:HG	5	1.45
(1,1198)	1:66:A:ALA:HB3	1:26:A:LEU:HG	5	1.45
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	4	1.45
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	6	1.45
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	16	1.45
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	19	1.45
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	17	1.45
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	7	1.45
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	7	1.45
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	7	1.45
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	7	1.45
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	17	1.45
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	17	1.45
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	19	1.45
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	19	1.45
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	19	1.45
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	2	1.45
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	2	1.45
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	2	1.45
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	2	1.45
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	2	1.45
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	8	1.45
(1,114)	1:7:A:GLU:HG2	1:16:A:THR:HB	17	1.45
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	16	1.44
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	16	1.44
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	16	1.44
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	16	1.44
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	16	1.44
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	16	1.44
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	5	1.44
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	7	1.44
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	5	1.44
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	7	1.44
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	8	1.44
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	15	1.44
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	12	1.44
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	16	1.44
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	16	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	3	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	12	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	12	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	12	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	12	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	12	1.44
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	12	1.44
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	5	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	3	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	3	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	3	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	3	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	3	1.44
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	3	1.44
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	13	1.44
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	13	1.44
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	13	1.44
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	8	1.43
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	8	1.43
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	8	1.43
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	8	1.43
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	8	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	3	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	16	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	16	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	16	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	16	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	16	1.43
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	16	1.43
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	9	1.43
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	18	1.43
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	19	1.43
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	18	1.43
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	18	1.43
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	18	1.43
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	5	1.43
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	11	1.43
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	16	1.43
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	15	1.43
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	15	1.43
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	17	1.43
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	17	1.43
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	5	1.43
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	12	1.43
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	4	1.43
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	15	1.43
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	11	1.43
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	12	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	4	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	4	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	4	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	4	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	4	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	4	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	4	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	7	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	7	1.43
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	7	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	7	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	7	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	7	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	7	1.43
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	7	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	12	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	12	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	12	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	18	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	18	1.43
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	18	1.43
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	11	1.43
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	4	1.43
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	4	1.43
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	15	1.43
(1,40)	1:5:A:THR:H	1:3:A:ASP:HA	9	1.43
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	14	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	14	1.42
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	14	1.42
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	11	1.42
(1,1176)	1:65:A:PRO:HD2	1:26:A:LEU:HB3	12	1.42
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	1	1.42
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	4	1.42
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	16	1.42
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	16	1.42
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	1	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	3	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	3	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	3	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	3	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	3	1.42
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	3	1.42
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	7	1.42
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	19	1.42
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	6	1.42
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	7	1.42
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	9	1.42
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	17	1.42
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	1	1.42
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	11	1.42
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	4	1.42
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	4	1.42
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	4	1.42
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	4	1.42
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	19	1.42
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	19	1.42
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	19	1.42
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	13	1.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	14	1.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	14	1.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	14	1.41
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	18	1.41
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	18	1.41
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	18	1.41
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	5	1.41
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	5	1.41
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	19	1.41
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	19	1.41
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	11	1.41
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	8	1.41
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	8	1.41
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	20	1.41
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	20	1.41
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	13	1.41
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	1	1.41
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	12	1.41
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	16	1.41
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	1	1.41
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	1	1.41
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	1	1.41
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	1	1.41
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	1	1.41
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	1	1.41
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	1	1.41
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	1	1.41
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	1	1.41
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	1	1.41
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	1	1.41
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	1	1.41
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	2	1.41
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	3	1.41
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	12	1.41
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	16	1.41
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	1	1.41
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	1	1.41
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	1	1.41
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	2	1.41
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	2	1.41
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	2	1.41
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	4	1.4
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	19	1.4
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	4	1.4
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	7	1.4
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	7	1.4
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	7	1.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	18	1.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	18	1.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	18	1.4
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	11	1.4
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	17	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	19	1.4
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	14	1.4
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	14	1.4
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	14	1.4
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	12	1.4
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	12	1.4
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	12	1.4
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	12	1.4
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	12	1.4
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	12	1.4
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	12	1.4
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	12	1.4
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	14	1.4
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	14	1.4
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	16	1.4
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	16	1.4
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	16	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	11	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	11	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	11	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	11	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	11	1.4
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	11	1.4
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	10	1.4
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	15	1.39
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	15	1.39
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	15	1.39
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	15	1.39
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	15	1.39
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	15	1.39
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	15	1.39
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	15	1.39
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	20	1.39
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	20	1.39
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	20	1.39
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	15	1.39
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	18	1.39
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	18	1.39
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	19	1.39
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	16	1.39
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	16	1.39
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	16	1.39
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	7	1.39
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	9	1.39
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	5	1.39
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	5	1.39
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	5	1.39
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	1	1.39
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	17	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	11	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	11	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	11	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	11	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	11	1.39
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	11	1.39
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	11	1.39
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	20	1.38
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	20	1.38
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	20	1.38
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	5	1.38
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	19	1.38
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	19	1.38
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	19	1.38
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	8	1.38
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	8	1.38
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	13	1.38
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	18	1.38
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	18	1.38
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	15	1.38
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	15	1.38
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	15	1.38
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	15	1.38
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	15	1.38
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	11	1.38
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	11	1.38
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	12	1.38
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	20	1.38
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	20	1.38
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	20	1.38
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	20	1.38
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	20	1.38
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	20	1.38
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	20	1.38
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	20	1.38
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	6	1.38
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG21	9	1.38
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG22	9	1.38
(1,122)	1:8:A:VAL:H	1:16:A:THR:HG23	9	1.38
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	19	1.37
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	19	1.37
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	19	1.37
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	19	1.37
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	19	1.37
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	19	1.37
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	1	1.37
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	1	1.37
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	1	1.37
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	15	1.37
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	15	1.37
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	15	1.37
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	5	1.37
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	12	1.37
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	12	1.37
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	12	1.37
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	12	1.37
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	12	1.37
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	2	1.37
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	13	1.37
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	13	1.37
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	13	1.37
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	4	1.37
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	4	1.37
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	4	1.37
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	2	1.37
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	2	1.37
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	2	1.37
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	14	1.37
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	14	1.37
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	14	1.37
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	19	1.37
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	19	1.36
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	12	1.36
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	13	1.36
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	13	1.36
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	13	1.36
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	10	1.36
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	3	1.36
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	3	1.36
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	10	1.36
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	10	1.36
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	10	1.36
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	5	1.36
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	17	1.36
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	19	1.36
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	19	1.36
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	19	1.36
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	5	1.36
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	5	1.36
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	5	1.36
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	13	1.36
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	6	1.36
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	6	1.36
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	6	1.36
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	6	1.36
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	6	1.36
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	6	1.36
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	6	1.36
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	6	1.36
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	6	1.36
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	6	1.36
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	6	1.36
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	6	1.36
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	7	1.36
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	7	1.36
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	7	1.36
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	6	1.36
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	11	1.36
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	3	1.35
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	3	1.35
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	3	1.35
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	17	1.35
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	18	1.35
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	18	1.35
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	18	1.35
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	13	1.35
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	15	1.35
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	15	1.35
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	15	1.35
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	15	1.35
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	15	1.35
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	15	1.35
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	10	1.35
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	10	1.35
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	10	1.35
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	15	1.35
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	15	1.35
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	15	1.35
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	18	1.35
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	18	1.35
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	18	1.35
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	6	1.35
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	6	1.35
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	16	1.35
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	14	1.35
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	14	1.35
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	14	1.35
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	19	1.35
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	19	1.35
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	19	1.35
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	13	1.35
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	13	1.35
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	13	1.35
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	4	1.34
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	10	1.34
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	16	1.34
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	16	1.34
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	8	1.34
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	8	1.34
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	8	1.34
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	6	1.34
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	13	1.34
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	3	1.34
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	3	1.34
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	3	1.34
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	3	1.34
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	3	1.34
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	3	1.34
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	7	1.34
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	7	1.34
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	7	1.34
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	7	1.34
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	7	1.34
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	7	1.34
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	8	1.34
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	14	1.34
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	5	1.34
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	5	1.34
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	6	1.34
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	6	1.34
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	6	1.34
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	6	1.34
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	6	1.34
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	6	1.34
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	17	1.34
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	19	1.34
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	12	1.34
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	12	1.34
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	12	1.34
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	12	1.34
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	12	1.34
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	12	1.34
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	13	1.34
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	13	1.34
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	13	1.34
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	13	1.34
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	13	1.34
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	13	1.34
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	13	1.34
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	13	1.34
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	17	1.34
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	17	1.34
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	17	1.34
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	10	1.34
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	15	1.34
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	17	1.34
(1,1084)	1:61:A:SER:H	1:62:A:LEU:HB2	18	1.33
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	5	1.33
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	20	1.33
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	20	1.33
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	8	1.33
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	8	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	8	1.33
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	18	1.33
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	17	1.33
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	17	1.33
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	17	1.33
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	6	1.33
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	6	1.33
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	6	1.33
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	6	1.33
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	6	1.33
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	6	1.33
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	18	1.33
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	11	1.33
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	10	1.33
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	10	1.33
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	10	1.33
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	10	1.33
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	10	1.33
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	10	1.33
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	10	1.33
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	10	1.33
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	10	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	3	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	3	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	3	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	12	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	12	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	12	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	16	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	16	1.33
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	16	1.33
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	7	1.33
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	4	1.33
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	10	1.33
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	20	1.33
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	2	1.32
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	2	1.32
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	2	1.32
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	9	1.32
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	9	1.32
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	9	1.32
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	19	1.32
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	19	1.32
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	19	1.32
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	19	1.32
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	19	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	11	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	11	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	11	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	11	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	11	1.32
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	11	1.32
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	2	1.32
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	4	1.32
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	4	1.32
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	4	1.32
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	4	1.32
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	4	1.32
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	4	1.32
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	19	1.32
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	19	1.32
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	19	1.32
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	15	1.32
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	15	1.32
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	15	1.32
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	18	1.32
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	13	1.32
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	14	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	7	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	12	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	20	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	20	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	20	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	20	1.32
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	20	1.32
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	3	1.31
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	11	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	6	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	6	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	6	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	14	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	14	1.31
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	14	1.31
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	7	1.31
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	11	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	8	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	8	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	8	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	13	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	13	1.31
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	13	1.31
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	3	1.31
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	19	1.31
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	19	1.31
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	19	1.31
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	7	1.31
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	7	1.31
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	7	1.31
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	7	1.31
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	6	1.3
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	6	1.3
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	6	1.3
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	20	1.3
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	20	1.3
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	20	1.3
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	20	1.3
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	20	1.3
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	20	1.3
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	20	1.3
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	20	1.3
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	20	1.3
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	20	1.3
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	20	1.3
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	2	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	2	1.3
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	14	1.3
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	14	1.3
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	13	1.3
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	14	1.3
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	14	1.3
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	1	1.3
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	1	1.3
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	1	1.3
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	1	1.3
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	1	1.3
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	1	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	7	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	7	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	7	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	7	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	7	1.3
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	7	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	4	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	4	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	4	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	4	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	4	1.3
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	4	1.3
(1,415)	1:25:A:THR:H	1:63:A:ASN:HA	1	1.3
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	20	1.3
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	9	1.3
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	14	1.29
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	14	1.29
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	14	1.29
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	19	1.29
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	9	1.29
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	9	1.29
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	9	1.29
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	9	1.29
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	18	1.29
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	18	1.29
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	18	1.29
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	18	1.29
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	18	1.29
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	18	1.29
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	18	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	18	1.29
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	18	1.29
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	11	1.29
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	11	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	1	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	1	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	7	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	7	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	10	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	10	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	17	1.29
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	17	1.29
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	12	1.29
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	12	1.29
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	14	1.29
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	14	1.29
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	10	1.29
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	10	1.29
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	10	1.29
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	10	1.29
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	10	1.29
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	10	1.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	12	1.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	12	1.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	12	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	1	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	1	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	1	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	20	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	20	1.29
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	20	1.29
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	13	1.29
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	10	1.29
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	10	1.29
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	10	1.29
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	20	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	17	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	17	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	17	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	17	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	17	1.29
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	1	1.28
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	1	1.28
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	1	1.28
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	11	1.28
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	11	1.28
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	5	1.28
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	5	1.28
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	20	1.28
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	20	1.28
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	19	1.28
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	19	1.28
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	18	1.28
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	18	1.28
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	18	1.28
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	18	1.28
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	18	1.28
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	18	1.28
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	8	1.28
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	18	1.28
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	18	1.28
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	18	1.28
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	18	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	9	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	9	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	9	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	9	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	9	1.28
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	9	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	7	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	7	1.28
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	7	1.28
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	7	1.28
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	2	1.28
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	14	1.28
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	11	1.28
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	5	1.28
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	20	1.27
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	6	1.27
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	1	1.27
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	1	1.27
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	8	1.27
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	8	1.27
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	8	1.27
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	8	1.27
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	8	1.27
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	8	1.27
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	8	1.27
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	8	1.27
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	8	1.27
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	19	1.27
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	19	1.27
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	12	1.27
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	17	1.27
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	17	1.27
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	19	1.27
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	19	1.27
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	12	1.27
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	9	1.27
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	9	1.27
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	9	1.27
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	9	1.27
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	17	1.27
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	17	1.27
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	17	1.27
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	1	1.27
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	1	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	15	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	15	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	15	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	16	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	16	1.27
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	16	1.27
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	8	1.27
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	8	1.27
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	8	1.27
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	8	1.27
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	8	1.27
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	8	1.27
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	8	1.27
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	8	1.27
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	20	1.27
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	20	1.27
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	14	1.27
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	16	1.26
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	6	1.26
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	6	1.26
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	6	1.26
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	6	1.26
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	6	1.26
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	6	1.26
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	6	1.26
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	6	1.26
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	6	1.26
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	6	1.26
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	6	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	8	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	8	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	8	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	8	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	8	1.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	8	1.26
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	4	1.26
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	4	1.26
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	15	1.26
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	15	1.26
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	16	1.26
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	16	1.26
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	2	1.26
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	4	1.26
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	3	1.26
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	17	1.26
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	18	1.26
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	17	1.26
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	18	1.26
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	1	1.26
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	13	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	1	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	1	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	1	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	1	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	1	1.26
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	1	1.26
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	6	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	20	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	20	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	20	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	20	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	20	1.25
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	20	1.25
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	3	1.25
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	18	1.25
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	18	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	6	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	8	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	11	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	15	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	19	1.25
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	20	1.25
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	1	1.25
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	10	1.25
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	4	1.25
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	4	1.25
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	4	1.25
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	10	1.25
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	10	1.25
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	10	1.25
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	16	1.25
(1,181)	1:13:A:LYS:HG2	1:14:A:GLN:HB3	8	1.25
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	5	1.25
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	5	1.25
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	5	1.25
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	2	1.25
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	3	1.25
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	4	1.25
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	9	1.25
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	9	1.25
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	9	1.25
(1,1412)	1:75:A:LYS:H	1:74:A:LEU:HG	14	1.24
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	7	1.24
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	7	1.24
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	7	1.24
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	3	1.24
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	3	1.24
(1,959)	1:51:A:SER:HB2	1:50:A:LEU:HA	19	1.24
(1,959)	1:51:A:SER:HB3	1:50:A:LEU:HA	19	1.24
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	3	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	3	1.24
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	3	1.24
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	3	1.24
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	3	1.24
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	3	1.24
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	3	1.24
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	10	1.24
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	10	1.24
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	10	1.24
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	1	1.24
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	4	1.24
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	13	1.24
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	7	1.24
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	7	1.24
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	7	1.24
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	5	1.24
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	9	1.24
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	3	1.24
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	19	1.24
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	12	1.24
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	12	1.24
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	16	1.24
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	16	1.24
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	16	1.24
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	7	1.24
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	7	1.24
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	7	1.24
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	16	1.24
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	14	1.23
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	7	1.23
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	7	1.23
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	20	1.23
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	20	1.23
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	20	1.23
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	7	1.23
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	14	1.23
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	14	1.23
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	14	1.23
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	15	1.23
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	17	1.23
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	7	1.23
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	7	1.23
(1,621)	1:34:A:LEU:HD21	1:31:A:LYS:HB3	9	1.23
(1,621)	1:34:A:LEU:HD22	1:31:A:LYS:HB3	9	1.23
(1,621)	1:34:A:LEU:HD23	1:31:A:LYS:HB3	9	1.23
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	18	1.23
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	19	1.23
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	1	1.23
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	2	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	9	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	9	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	9	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	9	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	9	1.23
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	9	1.23
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	2	1.23
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	11	1.22
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	11	1.22
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	2	1.22
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	2	1.22
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	2	1.22
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	7	1.22
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	14	1.22
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	14	1.22
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	6	1.22
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	6	1.22
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	6	1.22
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	14	1.22
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	14	1.22
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	18	1.22
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	5	1.22
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	10	1.22
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	1	1.22
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	5	1.22
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	16	1.22
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	1	1.22
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	1	1.22
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	1	1.22
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	6	1.22
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	4	1.22
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	4	1.22
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	4	1.22
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	19	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	19	1.22
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	19	1.22
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	11	1.22
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	10	1.22
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	10	1.22
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	10	1.22
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	10	1.22
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	10	1.22
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	10	1.22
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	10	1.22
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	10	1.22
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	10	1.22
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	7	1.22
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	18	1.22
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	18	1.22
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	18	1.22
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	18	1.22
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	18	1.22
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	18	1.22
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	18	1.22
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	18	1.22
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	12	1.22
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	10	1.22
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	17	1.22
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	19	1.22
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	19	1.22
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	11	1.22
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	5	1.22
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	5	1.22
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	5	1.22
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	15	1.21
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	15	1.21
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	15	1.21
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	15	1.21
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	15	1.21
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	9	1.21
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	9	1.21
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	10	1.21
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	10	1.21
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	9	1.21
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	9	1.21
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	20	1.21
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	7	1.21
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	9	1.21
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	14	1.21
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	16	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	12	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	12	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	12	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	12	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	12	1.21
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	12	1.21
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	14	1.21
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	14	1.21
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	14	1.21
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG21	9	1.21
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG22	9	1.21
(1,477)	1:28:A:GLU:H	1:25:A:THR:HG23	9	1.21
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	15	1.21
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	15	1.21
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	4	1.21
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	12	1.21
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	11	1.21
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	11	1.21
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	11	1.21
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	1	1.21
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	18	1.21
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	9	1.21
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	9	1.21
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	1	1.21
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	1	1.21
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	1	1.21
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	6	1.2
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	6	1.2
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	8	1.2
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	8	1.2
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	8	1.2
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	15	1.2
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	15	1.2
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	5	1.2
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	5	1.2
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	5	1.2
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	5	1.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	4	1.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	4	1.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	4	1.2
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	14	1.2
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	14	1.2
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	10	1.2
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	5	1.2
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	5	1.2
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	18	1.2
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	18	1.2
(1,799)	1:44:A:VAL:HA	1:43:A:LYS:HA	2	1.2
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	11	1.2
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	16	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	8	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	8	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	8	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	8	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	8	1.2
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	8	1.2
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	8	1.2
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	10	1.2
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	14	1.2
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	5	1.2
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	14	1.2
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	20	1.2
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	1	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	1	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	1	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	1	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	3	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	3	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	4	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	4	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	4	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	5	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	5	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	5	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	6	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	6	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	6	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	10	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	10	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	10	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	19	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	19	1.2
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	19	1.2
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	3	1.2
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	3	1.2
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	11	1.2
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	11	1.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	9	1.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	9	1.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	9	1.2
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	19	1.2
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	14	1.2
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	14	1.2
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	14	1.2
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	9	1.19
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	17	1.19
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	17	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	7	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	7	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	7	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	7	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	7	1.19
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	7	1.19
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	20	1.19
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	20	1.19
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	6	1.19
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	9	1.19
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	10	1.19
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	5	1.19
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	5	1.19
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	5	1.19
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	5	1.19
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	5	1.19
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	17	1.19
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	17	1.19
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	17	1.19
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	3	1.19
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	4	1.19
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	12	1.19
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	4	1.19
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	20	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	10	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	10	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	10	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	10	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	10	1.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	10	1.19
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	7	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	8	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	8	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	8	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	12	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	12	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	12	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	14	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	14	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	14	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	18	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	18	1.19
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	18	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	2	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	2	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	7	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	7	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	10	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	10	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	13	1.19
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	13	1.19
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG21	10	1.19
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG22	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG23	10	1.19
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	8	1.19
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	15	1.19
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	18	1.19
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	16	1.19
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	6	1.18
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	6	1.18
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	6	1.18
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	9	1.18
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	9	1.18
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	9	1.18
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	8	1.18
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	16	1.18
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	11	1.18
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB2	3	1.18
(1,958)	1:51:A:SER:HA	1:50:A:LEU:HB3	3	1.18
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	5	1.18
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	5	1.18
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	5	1.18
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	5	1.18
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	5	1.18
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	5	1.18
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	8	1.18
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	9	1.18
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	9	1.18
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	9	1.18
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	8	1.18
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	16	1.18
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	16	1.18
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	16	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	6	1.18
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	6	1.18
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	8	1.18
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	8	1.18
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	8	1.18
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	11	1.18
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	14	1.18
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	16	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	6	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	6	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	6	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	6	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	6	1.18
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	6	1.18
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	15	1.18
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	15	1.18
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	15	1.18
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	8	1.18
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	8	1.18
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	15	1.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	1	1.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	1	1.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	1	1.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	1	1.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	1	1.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	1	1.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	1	1.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	1	1.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	1	1.18
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	16	1.17
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	19	1.17
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	19	1.17
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	19	1.17
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	2	1.17
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	2	1.17
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	7	1.17
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	11	1.17
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	11	1.17
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	13	1.17
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	13	1.17
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	13	1.17
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	13	1.17
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	13	1.17
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	13	1.17
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	13	1.17
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	13	1.17
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	13	1.17
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	13	1.17
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	13	1.17
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	13	1.17
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	13	1.17
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	13	1.17
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	13	1.17
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	2	1.17
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	19	1.17
(1,604)	1:34:A:LEU:H	1:39:A:ILE:H	20	1.17
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	17	1.17
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	8	1.17
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	19	1.17
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	7	1.17
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	7	1.17
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	5	1.17
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	6	1.17
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	10	1.17
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	17	1.17
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	17	1.17
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	17	1.17
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	17	1.17
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	17	1.17
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	17	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	7	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	7	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	7	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	16	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	16	1.17
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	16	1.17
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	6	1.17
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	6	1.17
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	14	1.17
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	1	1.17
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	1	1.17
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	1	1.17
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	3	1.16
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	3	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	8	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	8	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	8	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	13	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	13	1.16
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	13	1.16
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	16	1.16
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	16	1.16
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	16	1.16
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	13	1.16
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	7	1.16
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	7	1.16
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	8	1.16
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	19	1.16
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	8	1.16
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	8	1.16
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	8	1.16
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	13	1.16
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	4	1.16
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	4	1.16
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	4	1.16
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	4	1.16
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	4	1.16
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	4	1.16
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	4	1.16
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	7	1.16
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	7	1.16
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	7	1.16
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	1	1.16
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	1	1.16
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	1	1.16
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	9	1.16
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	1	1.16
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	1	1.16
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	1	1.16
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	1	1.16
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	1	1.16
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	1	1.16
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	1	1.16
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	1	1.16
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	2	1.16
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	2	1.16
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	2	1.16
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	13	1.16
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	13	1.16
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	14	1.16
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	15	1.15
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	3	1.15
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	20	1.15
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	9	1.15
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	11	1.15
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	11	1.15
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	11	1.15
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	11	1.15
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	11	1.15
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	11	1.15
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	20	1.15
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	20	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	13	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	13	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	13	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	13	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	13	1.15
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	13	1.15
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	10	1.15
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	10	1.15
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	18	1.15
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	10	1.15
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	10	1.15
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	10	1.15
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	10	1.15
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	10	1.15
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	10	1.15
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	17	1.15
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	17	1.15
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	17	1.15
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	20	1.15
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	1	1.15
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	1	1.15
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	4	1.15
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	5	1.15
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	10	1.15
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	16	1.14
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	4	1.14
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	13	1.14
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	13	1.14
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	17	1.14
(1,861)	1:47:A:TYR:H	1:73:A:LYS:HA	15	1.14
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	8	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	8	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	8	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	8	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	15	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	15	1.14
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	15	1.14
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	8	1.14
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	15	1.14
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	3	1.14
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	3	1.14
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	3	1.14
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	3	1.14
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	3	1.14
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	3	1.14
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	2	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	2	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	2	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	2	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	2	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	2	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	2	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	9	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	9	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	9	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	9	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	9	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	9	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	9	1.14
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	9	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	9	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	9	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	9	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG21	20	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG22	20	1.14
(1,231)	1:16:A:THR:H	1:16:A:THR:HG23	20	1.14
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	15	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	2	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	2	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	6	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	6	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	10	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	10	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	16	1.14
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	16	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	1	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	1	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	1	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	1	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	1	1.14
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	1	1.14
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	20	1.14
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	20	1.14
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	19	1.14
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	8	1.14
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	20	1.13
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	20	1.13
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	19	1.13
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	19	1.13
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	19	1.13
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	19	1.13
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	19	1.13
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	19	1.13
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	19	1.13
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	19	1.13
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	19	1.13
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	14	1.13
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	14	1.13
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	14	1.13
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	6	1.13
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	12	1.13
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	14	1.13
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	18	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	1	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	1	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	4	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	4	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	8	1.13
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	8	1.13
(1,917)	1:49:A:LEU:H	1:56:A:ALA:H	12	1.13
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	15	1.13
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	10	1.13
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	10	1.13
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	10	1.13
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	10	1.13
(1,537)	1:30:A:LEU:HD11	1:26:A:LEU:HB3	1	1.13
(1,537)	1:30:A:LEU:HD12	1:26:A:LEU:HB3	1	1.13
(1,537)	1:30:A:LEU:HD13	1:26:A:LEU:HB3	1	1.13
(1,537)	1:30:A:LEU:HD21	1:26:A:LEU:HB3	1	1.13
(1,537)	1:30:A:LEU:HD22	1:26:A:LEU:HB3	1	1.13
(1,537)	1:30:A:LEU:HD23	1:26:A:LEU:HB3	1	1.13
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	2	1.13
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	2	1.13
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	2	1.13
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	19	1.13
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	19	1.13
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	19	1.13
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	19	1.13
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	19	1.13
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	15	1.13
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	15	1.13
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	3	1.13
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	7	1.13
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	16	1.13
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD11	18	1.12
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD12	18	1.12
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD13	18	1.12
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD21	18	1.12
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD22	18	1.12
(1,1145)	1:64:A:HIS:H	1:69:A:LEU:HD23	18	1.12
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	1	1.12
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	15	1.12
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	16	1.12
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	9	1.12
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	15	1.12
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	15	1.12
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	14	1.12
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	14	1.12
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	14	1.12
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	2	1.12
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	2	1.12
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	2	1.12
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	7	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	11	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	11	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	11	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	11	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	11	1.12
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	11	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD11	14	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD12	14	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD13	14	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD21	14	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD22	14	1.12
(1,528)	1:30:A:LEU:HB2	1:24:A:LEU:HD23	14	1.12
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	1	1.12
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	1	1.12
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	1	1.12
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	19	1.12
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	3	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	13	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	13	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	13	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	13	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	13	1.12
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	13	1.12
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	6	1.11
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	6	1.11
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	7	1.11
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	13	1.11
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	13	1.11
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	13	1.11
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	9	1.11
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	16	1.11
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	1	1.11
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	11	1.11
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	14	1.11
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	6	1.11
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	14	1.11
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	5	1.11
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	5	1.11
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	6	1.11
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	15	1.11
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	6	1.11
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	6	1.11
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	6	1.11
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	4	1.11
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	20	1.11
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	20	1.11
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	20	1.11
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	10	1.11
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	12	1.11
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	19	1.11
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	4	1.1
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	4	1.1
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	4	1.1
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	20	1.1
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	5	1.1
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	5	1.1
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	10	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	3	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	3	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	3	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	9	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	9	1.1
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	9	1.1
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	7	1.1
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	12	1.1
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	15	1.1
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	3	1.1
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	3	1.09
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	5	1.09
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	19	1.09
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	13	1.09
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	18	1.09
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	12	1.09
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	9	1.09
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	18	1.09
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	6	1.09
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	6	1.09
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	12	1.09
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	18	1.09
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	4	1.09
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	16	1.09
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	16	1.09
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	16	1.09
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	16	1.09
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	16	1.09
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	16	1.09
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	16	1.09
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	3	1.09
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	10	1.09
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	4	1.09
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	12	1.08
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	12	1.08
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	17	1.08
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	19	1.08
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	19	1.08
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	19	1.08
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	6	1.08
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	8	1.08
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	16	1.08
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	16	1.08
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	19	1.08
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	19	1.08
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	6	1.08
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	12	1.08
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	7	1.08
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	7	1.08
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	3	1.08
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	3	1.08
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	16	1.08
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	20	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	13	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	13	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	13	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	17	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	17	1.08
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	17	1.08
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	13	1.08
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	20	1.08
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	9	1.08
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	13	1.08
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	12	1.08
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	11	1.08
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	14	1.08
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	14	1.08
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	14	1.08
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	18	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	18	1.08
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	18	1.08
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	18	1.08
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	18	1.08
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	18	1.08
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	1	1.07
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	10	1.07
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	12	1.07
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	12	1.07
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	12	1.07
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	5	1.07
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	5	1.07
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	7	1.07
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	4	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	7	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	7	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	7	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	9	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	9	1.07
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	9	1.07
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	4	1.07
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	4	1.07
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	4	1.07
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	4	1.07
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	4	1.07
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	4	1.07
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	4	1.07
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	4	1.07
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	4	1.07
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	4	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	4	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	4	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	4	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	20	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	20	1.07
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	20	1.07
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	1	1.07
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	18	1.07
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	5	1.07
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	14	1.07
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	14	1.07
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	14	1.07
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	14	1.07
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	14	1.07
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	14	1.07
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	14	1.07
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	3	1.07
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	4	1.07
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	8	1.07
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	16	1.07
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	20	1.07
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	5	1.07
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	18	1.07
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	18	1.07
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	18	1.07
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	6	1.07
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	6	1.06
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	4	1.06
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	4	1.06
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	4	1.06
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	2	1.06
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	12	1.06
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	12	1.06
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	18	1.06
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	18	1.06
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	18	1.06
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	19	1.06
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	19	1.06
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	17	1.06
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	17	1.06
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	17	1.06
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	17	1.06
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	17	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	6	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	6	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	6	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	10	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	10	1.06
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	10	1.06
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	7	1.06
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	7	1.06
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	7	1.06
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	5	1.06
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	3	1.06
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	3	1.06
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	3	1.06
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	8	1.06
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	9	1.06
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	11	1.06
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	17	1.06
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	10	1.06
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	15	1.06
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	2	1.06
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	5	1.06
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	6	1.06
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	7	1.06
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	14	1.06
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	1	1.06
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	1	1.06
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	7	1.06
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	15	1.06
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	20	1.06
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	6	1.06
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	8	1.06
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	20	1.06
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	20	1.06
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	20	1.06
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	16	1.05
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	16	1.05
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	16	1.05
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	11	1.05
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	18	1.05
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	18	1.05
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	4	1.05
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	4	1.05
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	8	1.05
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	8	1.05
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	8	1.05
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	8	1.05
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	8	1.05
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	8	1.05
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	8	1.05
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	8	1.05
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	13	1.05
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	1	1.05
(1,156)	1:10:A:LEU:H	1:10:A:LEU:HB3	18	1.05
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	13	1.05
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	13	1.05
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	17	1.05
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	17	1.05
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	17	1.05
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	11	1.04
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	11	1.04
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	11	1.04
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	11	1.04
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	11	1.04
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	11	1.04
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	3	1.04
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	3	1.04
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	3	1.04
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	4	1.04
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	9	1.04
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	10	1.04
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	10	1.04
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	10	1.04
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	5	1.04
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	8	1.04
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	8	1.04
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	8	1.04
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	7	1.04
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	7	1.04
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	13	1.04
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	13	1.04
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	13	1.04
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	13	1.04
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	13	1.04
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	2	1.04
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	2	1.04
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	2	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	8	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	15	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	15	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	15	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	15	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	15	1.04
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	15	1.04
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	20	1.04
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	5	1.04
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	5	1.04
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	5	1.04
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	8	1.04
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	8	1.04
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	8	1.04
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	14	1.04
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	8	1.04
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	9	1.04
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	11	1.04
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	11	1.04
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	11	1.04
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	3	1.04
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	6	1.04
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	8	1.04
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	15	1.04
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	15	1.04
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	15	1.04
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	15	1.04
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	15	1.04
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	15	1.04
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	15	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	6	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	6	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	6	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	6	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	6	1.04
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	6	1.04
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	18	1.04
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	18	1.04
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	8	1.04
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	20	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	2	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	2	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	2	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	10	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	10	1.04
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	10	1.04
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	17	1.04
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	17	1.04
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	17	1.04
(1,1510)	1:79:A:LEU:HD11	1:45:A:GLN:HB2	9	1.03
(1,1510)	1:79:A:LEU:HD12	1:45:A:GLN:HB2	9	1.03
(1,1510)	1:79:A:LEU:HD13	1:45:A:GLN:HB2	9	1.03
(1,1510)	1:79:A:LEU:HD21	1:45:A:GLN:HB2	9	1.03
(1,1510)	1:79:A:LEU:HD22	1:45:A:GLN:HB2	9	1.03
(1,1510)	1:79:A:LEU:HD23	1:45:A:GLN:HB2	9	1.03
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	19	1.03
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	19	1.03
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	11	1.03
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	2	1.03
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	2	1.03
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	2	1.03
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	13	1.03
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	13	1.03
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	19	1.03
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	3	1.03
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	12	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	2	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	6	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	20	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	20	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	20	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	20	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	20	1.03
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	20	1.03
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB2	10	1.03
(1,634)	1:35:A:LYS:HD2	1:32:A:LYS:HB3	10	1.03
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	7	1.03
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	5	1.03
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	5	1.03
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	5	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	20	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	20	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	20	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	20	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	20	1.03
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	20	1.03
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	20	1.03
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	20	1.03
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	20	1.03
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	20	1.03
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	20	1.03
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	20	1.03
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	9	1.03
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	9	1.03
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	9	1.03
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	9	1.03
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	9	1.03
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	9	1.03
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	2	1.03
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	9	1.03
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	2	1.03
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	10	1.03
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	11	1.03
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	12	1.02
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	14	1.02
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	18	1.02
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	18	1.02
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	16	1.02
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	16	1.02
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	16	1.02
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	2	1.02
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	5	1.02
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	9	1.02
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	9	1.02
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	16	1.02
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	16	1.02
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	9	1.02
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	15	1.02
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	15	1.02
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	15	1.02
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	15	1.02
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	6	1.02
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	6	1.02
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	6	1.02
(1,736)	1:42:A:ASN:H	1:41:A:PRO:HB3	11	1.02
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	18	1.02
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	6	1.02
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	6	1.02
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	6	1.02
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	6	1.02
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	6	1.02
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	6	1.02
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	20	1.02
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	20	1.02
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	20	1.02
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	1	1.02
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	4	1.02
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	13	1.02
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	14	1.02
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	14	1.02
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	12	1.02
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	7	1.02
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	16	1.02
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	16	1.02
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	3	1.02
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	3	1.01
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	10	1.01
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	10	1.01
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	10	1.01
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	6	1.01
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	6	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	1	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	1	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	1	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	7	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	7	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	7	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	8	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	8	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	8	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	20	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	20	1.01
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	20	1.01
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	11	1.01
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	11	1.01
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	6	1.01
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	18	1.01
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	18	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	3	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	3	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	10	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	10	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	11	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	11	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	12	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	12	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	17	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	17	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	19	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	19	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	20	1.01
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	20	1.01
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	6	1.01
(1,930)	1:49:A:LEU:HD11	1:56:A:ALA:HA	15	1.01
(1,930)	1:49:A:LEU:HD12	1:56:A:ALA:HA	15	1.01
(1,930)	1:49:A:LEU:HD13	1:56:A:ALA:HA	15	1.01
(1,930)	1:49:A:LEU:HD21	1:56:A:ALA:HA	15	1.01
(1,930)	1:49:A:LEU:HD22	1:56:A:ALA:HA	15	1.01
(1,930)	1:49:A:LEU:HD23	1:56:A:ALA:HA	15	1.01
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	18	1.01
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	3	1.01
(1,841)	1:46:A:VAL:H	1:44:A:VAL:H	6	1.01
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	6	1.01
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	4	1.01
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	9	1.01
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	2	1.01
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	17	1.01
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	20	1.01
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	20	1.01
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	20	1.01
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	20	1.01
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	20	1.01
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	20	1.01
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	20	1.01
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	4	1.01
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	12	1.01
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	7	1.01
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	7	1.01
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	7	1.01
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	7	1.01
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	7	1.01
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	16	1.01
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	13	1.01
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	17	1.01
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	6	1.01
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	2	1.01
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	3	1.01
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	20	1.01
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	8	1.0
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	8	1.0
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	8	1.0
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	8	1.0
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	8	1.0
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	8	1.0
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	8	1.0
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	8	1.0
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	8	1.0
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	8	1.0
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	8	1.0
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	8	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	5	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	5	1.0
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	5	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	3	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	3	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	6	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	6	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	9	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	9	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	15	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	15	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	16	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	16	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	18	1.0
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	18	1.0
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	8	1.0
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	8	1.0
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	10	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	1	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	1	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	5	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	5	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	8	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	8	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	13	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	13	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	15	1.0
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	15	1.0
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	12	1.0
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	12	1.0
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	12	1.0
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	12	1.0
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	12	1.0
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	12	1.0
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	12	1.0
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	12	1.0
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	12	1.0
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	20	1.0
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	13	1.0
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	13	1.0
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	19	1.0
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	14	1.0
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	2	1.0
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	18	1.0
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	18	1.0
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	18	1.0
(1,369)	1:22:A:PRO:HG3	1:67:A:GLU:HB2	16	1.0
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	6	1.0
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	6	1.0
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	6	1.0
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	6	1.0
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	6	1.0
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	6	1.0
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	16	1.0
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	4	1.0
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	8	1.0
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	6	1.0
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	7	1.0
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	16	1.0
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	17	1.0
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	20	1.0
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	7	1.0
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	7	1.0
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	7	1.0
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	7	1.0
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	9	1.0
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	18	1.0
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	20	1.0
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	19	0.99
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	19	0.99
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	19	0.99
(1,1400)	1:74:A:LEU:H	1:49:A:LEU:H	7	0.99
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	2	0.99
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	2	0.99
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	2	0.99
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	2	0.99
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	2	0.99
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	18	0.99
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	18	0.99
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	14	0.99
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	14	0.99
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	14	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	12	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	12	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	12	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	12	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	12	0.99
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	12	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	4	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	4	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	14	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	14	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	18	0.99
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	18	0.99
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	15	0.99
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	15	0.99
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	15	0.99
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	17	0.99
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	17	0.99
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	11	0.99
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	11	0.99
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	11	0.99
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	11	0.99
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	11	0.99
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	11	0.99
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	11	0.99
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	5	0.99
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	11	0.99
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	10	0.99
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	12	0.99
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	19	0.99
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	3	0.99
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	17	0.99
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	17	0.99
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	1	0.99
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	3	0.99
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	8	0.99
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	10	0.99
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	14	0.99
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	20	0.99
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	20	0.99
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	20	0.99
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	6	0.99
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	8	0.99
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	10	0.99
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	9	0.98
(1,1509)	1:79:A:LEU:HD11	1:78:A:PRO:HG3	11	0.98
(1,1509)	1:79:A:LEU:HD12	1:78:A:PRO:HG3	11	0.98
(1,1509)	1:79:A:LEU:HD13	1:78:A:PRO:HG3	11	0.98
(1,1509)	1:79:A:LEU:HD21	1:78:A:PRO:HG3	11	0.98
(1,1509)	1:79:A:LEU:HD22	1:78:A:PRO:HG3	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:79:A:LEU:HD23	1:78:A:PRO:HG3	11	0.98
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	20	0.98
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	20	0.98
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	20	0.98
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	15	0.98
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	15	0.98
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	15	0.98
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	17	0.98
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	12	0.98
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	12	0.98
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	10	0.98
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	10	0.98
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	10	0.98
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	10	0.98
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	10	0.98
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	10	0.98
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	10	0.98
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	1	0.98
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	1	0.98
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	1	0.98
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	20	0.98
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	9	0.98
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	15	0.98
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	16	0.98
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	12	0.98
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	12	0.98
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	12	0.98
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	19	0.98
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	13	0.98
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	10	0.98
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	10	0.98
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	6	0.98
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	11	0.98
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	18	0.98
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	2	0.98
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	2	0.98
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	2	0.98
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	2	0.98
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	2	0.98
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	14	0.98
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	12	0.98
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	12	0.98
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	12	0.98
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	19	0.98
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	19	0.98
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	19	0.98
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	6	0.98
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	2	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	12	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	12	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	12	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	12	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	12	0.97
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	12	0.97
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	3	0.97
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	3	0.97
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	3	0.97
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	13	0.97
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	13	0.97
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	13	0.97
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	13	0.97
(1,930)	1:49:A:LEU:HD11	1:56:A:ALA:HA	7	0.97
(1,930)	1:49:A:LEU:HD12	1:56:A:ALA:HA	7	0.97
(1,930)	1:49:A:LEU:HD13	1:56:A:ALA:HA	7	0.97
(1,930)	1:49:A:LEU:HD21	1:56:A:ALA:HA	7	0.97
(1,930)	1:49:A:LEU:HD22	1:56:A:ALA:HA	7	0.97
(1,930)	1:49:A:LEU:HD23	1:56:A:ALA:HA	7	0.97
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	4	0.97
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	4	0.97
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	4	0.97
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	4	0.97
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	4	0.97
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	4	0.97
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	18	0.97
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	19	0.97
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	19	0.97
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	15	0.97
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	5	0.97
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	1	0.97
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	13	0.97
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	18	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	3	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	3	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	3	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	6	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	6	0.97
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	6	0.97
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	6	0.97
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	3	0.97
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	3	0.97
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	3	0.97
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	3	0.97
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	13	0.97
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	1	0.97
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	18	0.96
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	18	0.96
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	18	0.96
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	18	0.96
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	18	0.96
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	18	0.96
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	19	0.96
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	19	0.96
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	19	0.96
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	18	0.96
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	17	0.96
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	17	0.96
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	17	0.96
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	15	0.96
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	9	0.96
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	4	0.96
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	4	0.96
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	8	0.96
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	8	0.96
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	8	0.96
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	8	0.96
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	8	0.96
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	8	0.96
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	2	0.96
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	10	0.96
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	13	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	14	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	14	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	14	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	14	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	14	0.96
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	14	0.96
(1,672)	1:38:A:GLY:H	1:34:A:LEU:HB3	5	0.96
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	12	0.96
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	12	0.96
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	13	0.96
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	3	0.96
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	15	0.96
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	15	0.96
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	15	0.96
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	15	0.96
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	17	0.96
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	14	0.96
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	2	0.96
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	6	0.96
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	7	0.96
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	13	0.96
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG21	20	0.96
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG22	20	0.96
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG23	20	0.96
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	8	0.96
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	18	0.96
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	18	0.95
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	7	0.95
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	7	0.95
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	7	0.95
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	7	0.95
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	12	0.95
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	12	0.95
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	12	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	1	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	1	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	1	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	1	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	1	0.95
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	1	0.95
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	13	0.95
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	9	0.95
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	9	0.95
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	9	0.95
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	10	0.95
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	3	0.95
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	3	0.95
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	1	0.95
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	11	0.95
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	15	0.95
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	4	0.95
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	4	0.95
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	4	0.95
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	4	0.95
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	4	0.95
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	4	0.95
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	2	0.95
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	8	0.95
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	8	0.95
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	8	0.95
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	8	0.95
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	8	0.95
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	8	0.95
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	8	0.95
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	8	0.95
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	13	0.95
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	13	0.95
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	13	0.95
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	16	0.95
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	18	0.95
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	17	0.95
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	8	0.95
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	8	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	1	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	3	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	4	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	5	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	8	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	9	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	12	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	14	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	15	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	16	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	17	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	18	0.95
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	19	0.95
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	5	0.95
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG21	3	0.95
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG22	3	0.95
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG23	3	0.95
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	12	0.95
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	12	0.95
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	12	0.95
(1,65)	1:6:A:ILE:H	1:17:A:VAL:HA	9	0.95
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	5	0.95
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	13	0.95
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	16	0.95
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	1	0.94
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	1	0.94
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	1	0.94
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	6	0.94
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	6	0.94
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	6	0.94
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	2	0.94
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	2	0.94
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	2	0.94
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	2	0.94
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	2	0.94
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	2	0.94
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	2	0.94
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	2	0.94
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	14	0.94
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	14	0.94
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	14	0.94
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	6	0.94
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	6	0.94
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	6	0.94
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	17	0.94
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	6	0.94
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	16	0.94
(1,1089)	1:61:A:SER:H	1:59:A:PRO:HA	20	0.94
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	9	0.94
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	16	0.94
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	18	0.94
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	18	0.94
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	18	0.94
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	18	0.94
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	8	0.94
(1,221)	1:16:A:THR:H	1:15:A:ARG:H	5	0.94
(1,133)	1:9:A:GLU:H	1:10:A:LEU:H	10	0.94
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	11	0.94
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	11	0.94
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	11	0.94
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	15	0.93
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	15	0.93
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	15	0.93
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	15	0.93
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	15	0.93
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	15	0.93
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	20	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	3	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	3	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	3	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	3	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	3	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	3	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	3	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	6	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	6	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	6	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	6	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	6	0.93
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	6	0.93
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	6	0.93
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	6	0.93
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	12	0.93
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	12	0.93
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	12	0.93
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	20	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	2	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	3	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	7	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	8	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	9	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	13	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	14	0.93
(1,811)	1:45:A:GLN:H	1:44:A:VAL:HB	16	0.93
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	1	0.93
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	1	0.93
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	11	0.93
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	20	0.93
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD11	6	0.93
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD12	6	0.93
(1,289)	1:18:A:ILE:HG21	1:6:A:ILE:HD13	6	0.93
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD11	6	0.93
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD12	6	0.93
(1,289)	1:18:A:ILE:HG22	1:6:A:ILE:HD13	6	0.93
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD11	6	0.93
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD12	6	0.93
(1,289)	1:18:A:ILE:HG23	1:6:A:ILE:HD13	6	0.93
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	4	0.93
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	20	0.93
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	20	0.93
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	20	0.93
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	20	0.93
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	20	0.93
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	20	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	15	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	15	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	15	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	15	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	15	0.93
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	15	0.93
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	13	0.93
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	13	0.93
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	18	0.93
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	18	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	14	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	14	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	14	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	14	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	14	0.93
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	14	0.93
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	1	0.93
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	11	0.93
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	11	0.93
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	11	0.93
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	1	0.93
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	1	0.93
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	1	0.93
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	16	0.93
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	16	0.93
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	16	0.93
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	11	0.93
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	17	0.93
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	7	0.92
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	7	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	3	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	4	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	4	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	4	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	4	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	4	0.92
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	4	0.92
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	1	0.92
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	1	0.92
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	1	0.92
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	9	0.92
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	9	0.92
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	9	0.92
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	8	0.92
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	7	0.92
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	17	0.92
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	18	0.92
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	7	0.92
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	2	0.92
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	10	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	4	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	4	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	4	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	4	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	4	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	4	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	17	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	17	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	17	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	17	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	17	0.92
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	17	0.92
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	1	0.92
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	1	0.92
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	1	0.92
(1,295)	1:19:A:ASN:H	1:20:A:VAL:H	2	0.92
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	11	0.92
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	16	0.92
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	16	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	8	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	8	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	8	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	8	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	8	0.92
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	8	0.92
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	14	0.92
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	6	0.92
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	6	0.92
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	6	0.92
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	15	0.92
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	14	0.92
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	7	0.91
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	7	0.91
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	7	0.91
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	15	0.91
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	18	0.91
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	18	0.91
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	18	0.91
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	2	0.91
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	2	0.91
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	2	0.91
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	2	0.91
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	2	0.91
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	2	0.91
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	2	0.91
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	9	0.91
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	9	0.91
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	9	0.91
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	7	0.91
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	7	0.91
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	7	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	18	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	18	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	18	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	18	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	18	0.91
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	18	0.91
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	19	0.91
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	19	0.91
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	19	0.91
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	19	0.91
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	19	0.91
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	19	0.91
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	19	0.91
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	19	0.91
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	19	0.91
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	5	0.91
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	10	0.91
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	11	0.91
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	11	0.91
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	11	0.91
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	11	0.91
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	11	0.91
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	11	0.91
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	11	0.91
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	11	0.91
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	16	0.91
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	4	0.91
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	15	0.9
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	14	0.9
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	14	0.9
(1,1293)	1:70:A:ILE:HA	1:6:A:ILE:HB	11	0.9
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	6	0.9
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	6	0.9
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	6	0.9
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	5	0.9
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	17	0.9
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	17	0.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	10	0.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	10	0.9
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	10	0.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	10	0.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	10	0.9
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	10	0.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	10	0.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	10	0.9
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	10	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	2	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	2	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	2	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	3	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	3	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	3	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	8	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	8	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	8	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	14	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	14	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	14	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	16	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	16	0.9
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	16	0.9
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	16	0.9
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	16	0.9
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	16	0.9
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	6	0.9
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	14	0.9
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	20	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	5	0.9
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	6	0.9
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	2	0.9
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	20	0.9
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	20	0.9
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	4	0.9
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG2	7	0.9
(1,173)	1:13:A:LYS:H	1:13:A:LYS:HG3	7	0.9
(1,148)	1:9:A:GLU:HB3	1:14:A:GLN:HA	18	0.9
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	12	0.9
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	12	0.9
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	12	0.9
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	12	0.9
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	12	0.9
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	12	0.9
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	12	0.9
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	12	0.9
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	12	0.9
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	19	0.9
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	3	0.89
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	6	0.89
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	18	0.89
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	2	0.89
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	2	0.89
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG21	11	0.89
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG22	11	0.89
(1,1184)	1:66:A:ALA:H	1:25:A:THR:HG23	11	0.89
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	17	0.89
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	17	0.89
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	17	0.89
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	14	0.89
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	16	0.89
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB2	16	0.89
(1,905)	1:48:A:LEU:HD11	1:60:A:LEU:HB3	16	0.89
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB2	16	0.89
(1,905)	1:48:A:LEU:HD12	1:60:A:LEU:HB3	16	0.89
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB2	16	0.89
(1,905)	1:48:A:LEU:HD13	1:60:A:LEU:HB3	16	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	7	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	7	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	7	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	9	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	9	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG21	13	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG22	13	0.89
(1,782)	1:44:A:VAL:H	1:44:A:VAL:HG23	13	0.89
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	14	0.89
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	14	0.89
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	14	0.89
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	14	0.89
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	14	0.89
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	14	0.89
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	14	0.89
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	14	0.89
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	14	0.89
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	1	0.89
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	13	0.89
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	20	0.89
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	19	0.89
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	6	0.89
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	6	0.89
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	6	0.89
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	6	0.89
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	6	0.89
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	6	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD11	20	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD12	20	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD13	20	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD21	20	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD22	20	0.89
(1,237)	1:16:A:THR:HA	1:30:A:LEU:HD23	20	0.89
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	20	0.89
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	11	0.88
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	1	0.88
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	1	0.88
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	3	0.88
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	3	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	6	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	6	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	6	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	6	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	6	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	16	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	16	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	16	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	16	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	16	0.88
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	16	0.88
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	3	0.88
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB2	6	0.88
(1,1030)	1:58:A:GLN:H	1:57:A:GLU:HB3	6	0.88
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	9	0.88
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	19	0.88
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	7	0.88
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	6	0.88
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	3	0.88
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	3	0.88
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	3	0.88
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	3	0.88
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	3	0.88
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	3	0.88
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	3	0.88
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	3	0.88
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	3	0.88
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	12	0.88
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	15	0.88
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	11	0.88
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	11	0.88
(1,384)	1:24:A:LEU:H	1:28:A:GLU:HB3	1	0.88
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	17	0.88
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	17	0.88
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	17	0.88
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	17	0.88
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	17	0.88
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	17	0.88
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	16	0.88
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	19	0.88
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	19	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	3	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	3	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	3	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	3	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	3	0.88
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	17	0.88
(1,68)	1:6:A:ILE:H	1:20:A:VAL:HB	6	0.88
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	1	0.88
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	4	0.88
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	1	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	2	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	2	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	2	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	2	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	2	0.87
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	2	0.87
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	10	0.87
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	10	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	15	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	15	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	15	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	15	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	15	0.87
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	15	0.87
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	14	0.87
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	14	0.87
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	15	0.87
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	3	0.87
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	2	0.87
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	6	0.87
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	11	0.87
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	11	0.87
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	11	0.87
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	11	0.87
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	11	0.87
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	11	0.87
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	11	0.87
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	11	0.87
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	11	0.87
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	13	0.87
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	2	0.87
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	10	0.87
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	15	0.87
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	8	0.87
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	18	0.87
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	18	0.87
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	2	0.87
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	3	0.87
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	3	0.87
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	3	0.87
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	3	0.87
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	3	0.87
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	3	0.87
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	3	0.87
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	13	0.87
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	15	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	11	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	11	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	11	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	11	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	11	0.87
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	11	0.87
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	18	0.87
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	5	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	18	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	18	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	18	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	18	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	18	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	18	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	18	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	18	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	18	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	19	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	19	0.87
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	19	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	19	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	19	0.87
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	19	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	19	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	19	0.87
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	19	0.87
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	14	0.87
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	14	0.87
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	14	0.87
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	10	0.86
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	10	0.86
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	10	0.86
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	10	0.86
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	10	0.86
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	10	0.86
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	10	0.86
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	10	0.86
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	13	0.86
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	10	0.86
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG2	6	0.86
(1,1007)	1:57:A:GLU:H	1:57:A:GLU:HG3	6	0.86
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	20	0.86
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	13	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	16	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	16	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	16	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	16	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	16	0.86
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	16	0.86
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	1	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	9	0.86
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	9	0.86
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	9	0.86
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	9	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	9	0.86
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	9	0.86
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	9	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	1	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	1	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	1	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	1	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	1	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	1	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	5	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	5	0.86
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	5	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	5	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	5	0.86
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	5	0.86
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	20	0.86
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	20	0.86
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	12	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG11	2	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG12	2	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG13	2	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG21	2	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG22	2	0.86
(1,49)	1:5:A:THR:H	1:20:A:VAL:HG23	2	0.86
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	5	0.86
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	13	0.85
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	13	0.85
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	13	0.85
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	20	0.85
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	20	0.85
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	20	0.85
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	20	0.85
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	20	0.85
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	13	0.85
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	13	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	1	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	1	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	1	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	1	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	1	0.85
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	1	0.85
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	9	0.85
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	7	0.85
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	14	0.85
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	17	0.85
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	8	0.85
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	14	0.85
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	10	0.85
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	14	0.85
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	7	0.85
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	4	0.85
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	5	0.85
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	7	0.85
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	14	0.85
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	10	0.85
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	8	0.85
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	11	0.85
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	17	0.85
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	10	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	14	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	14	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	14	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	14	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	14	0.85
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	14	0.85
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	1	0.85
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	8	0.84
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	4	0.84
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB2	2	0.84
(1,1151)	1:64:A:HIS:H	1:63:A:ASN:HB3	2	0.84
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	17	0.84
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	5	0.84
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	18	0.84
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	15	0.84
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	15	0.84
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	15	0.84
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	15	0.84
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	15	0.84
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	15	0.84
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	15	0.84
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	19	0.84
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	19	0.84
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	19	0.84
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	7	0.84
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	7	0.84
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	14	0.84
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	19	0.84
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	19	0.84
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	19	0.84
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	19	0.84
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	19	0.84
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	19	0.84
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	2	0.84
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	8	0.84
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	15	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	2	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	6	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	6	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	6	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	6	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	6	0.84
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	6	0.84
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	10	0.84
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	10	0.84
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	19	0.84
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	19	0.84
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	19	0.84
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	13	0.84
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	8	0.84
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	8	0.84
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	8	0.84
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	6	0.83
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	6	0.83
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	4	0.83
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	4	0.83
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	4	0.83
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	14	0.83
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	14	0.83
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	3	0.83
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	17	0.83
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	12	0.83
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	13	0.83
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	17	0.83
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	17	0.83
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	17	0.83
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	17	0.83
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	17	0.83
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	17	0.83
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	17	0.83
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	20	0.83
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	8	0.83
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	9	0.83
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	15	0.83
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	19	0.83
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	10	0.83
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	2	0.83
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	2	0.83
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	2	0.83
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	12	0.83
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	16	0.83
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	16	0.83
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	16	0.83
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	16	0.83
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	16	0.83
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	16	0.83
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	14	0.83
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	16	0.82
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	16	0.82
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	9	0.82
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	9	0.82
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	20	0.82
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	20	0.82
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	1	0.82
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	15	0.82
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	17	0.82
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	2	0.82
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	3	0.82
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	13	0.82
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	7	0.82
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	11	0.82
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	11	0.82
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	11	0.82
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	3	0.82
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	6	0.82
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	7	0.82
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	16	0.82
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	18	0.82
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	11	0.82
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	17	0.82
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	12	0.82
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	12	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	1	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	1	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	1	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	1	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	1	0.82
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	1	0.82
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	7	0.82
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	7	0.82
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	7	0.82
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	7	0.82
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	7	0.82
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	7	0.82
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	7	0.82
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	7	0.82
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	7	0.81
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	7	0.81
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	7	0.81
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	4	0.81
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	1	0.81
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	1	0.81
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	1	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	15	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	15	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	15	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	15	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	15	0.81
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	15	0.81
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	15	0.81
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	15	0.81
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	9	0.81
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	1	0.81
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	10	0.81
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	12	0.81
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	5	0.81
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	18	0.81
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	12	0.81
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	4	0.81
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	6	0.81
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	14	0.81
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	14	0.81
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:44:A:VAL:HG21	1:41:A:PRO:HA	16	0.81
(1,805)	1:44:A:VAL:HG22	1:41:A:PRO:HA	16	0.81
(1,805)	1:44:A:VAL:HG23	1:41:A:PRO:HA	16	0.81
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	15	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	1	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	1	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	1	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	1	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	1	0.81
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	1	0.81
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	6	0.81
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	16	0.81
(1,645)	1:36:A:VAL:H	1:36:A:VAL:HB	12	0.81
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	18	0.81
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	18	0.81
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	18	0.81
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	18	0.81
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	18	0.81
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	18	0.81
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	18	0.81
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	18	0.81
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	18	0.81
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	17	0.81
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	12	0.81
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	3	0.81
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	17	0.81
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	3	0.81
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	2	0.81
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	7	0.81
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	7	0.81
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	10	0.81
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	10	0.81
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	4	0.8
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	4	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	6	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	6	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	6	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	6	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	6	0.8
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	6	0.8
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	14	0.8
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	20	0.8
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	8	0.8
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	9	0.8
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	15	0.8
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	17	0.8
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	1	0.8
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	19	0.8
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	11	0.8
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	15	0.8
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	3	0.8
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	16	0.8
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	17	0.8
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	17	0.8
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	17	0.8
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	11	0.8
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	17	0.8
(1,455)	1:27:A:LYS:H	1:25:A:THR:HA	19	0.8
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	16	0.8
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	18	0.8
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	12	0.8
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	19	0.8
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	7	0.8
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	13	0.8
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	13	0.8
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	13	0.8
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	13	0.8
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	13	0.8
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	13	0.8
(1,269)	1:18:A:ILE:H	1:18:A:ILE:HG13	11	0.8
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	20	0.8
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	7	0.8
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	13	0.8
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	13	0.8
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	13	0.8
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	13	0.8
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	13	0.8
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	13	0.8
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	15	0.8
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	15	0.8
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	15	0.8
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	17	0.8
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	3	0.8
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	3	0.8
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	10	0.79
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	10	0.79
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	5	0.79
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	5	0.79
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	5	0.79
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	8	0.79
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	8	0.79
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	19	0.79
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	19	0.79
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	19	0.79
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	19	0.79
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	19	0.79
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	19	0.79
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	19	0.79
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	19	0.79
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	19	0.79
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	4	0.79
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	12	0.79
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	12	0.79
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	12	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	9	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	9	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	9	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	9	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	9	0.79
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	9	0.79
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	1	0.79
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	11	0.79
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	12	0.79
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	3	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	16	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	16	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	16	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	16	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	16	0.79
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	16	0.79
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	3	0.79
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	3	0.79
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	18	0.79
(1,864)	1:47:A:TYR:HA	1:49:A:LEU:HG	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	7	0.79
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	10	0.79
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	20	0.79
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	20	0.79
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	9	0.79
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	18	0.79
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	18	0.79
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	18	0.79
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	15	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	16	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	16	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	16	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	16	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	16	0.79
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	16	0.79
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	16	0.79
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	16	0.79
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	2	0.79
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	8	0.79
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	2	0.79
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	2	0.79
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	2	0.79
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	2	0.79
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	2	0.79
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	2	0.79
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	9	0.79
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	9	0.79
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	18	0.78
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	18	0.78
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	18	0.78
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	18	0.78
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	18	0.78
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	18	0.78
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	18	0.78
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	18	0.78
(1,1119)	1:62:A:LEU:HD21	1:27:A:LYS:HA	12	0.78
(1,1119)	1:62:A:LEU:HD22	1:27:A:LYS:HA	12	0.78
(1,1119)	1:62:A:LEU:HD23	1:27:A:LYS:HA	12	0.78
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	16	0.78
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	18	0.78
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	19	0.78
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	18	0.78
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	18	0.78
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	18	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	15	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	15	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	15	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	15	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	15	0.78
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	15	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	7	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	7	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	7	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	7	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	7	0.78
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	7	0.78
(1,970)	1:53:A:ASP:H	1:54:A:ASP:HA	6	0.78
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	4	0.78
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	11	0.78
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	17	0.78
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	5	0.78
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	7	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	2	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	2	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	3	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	3	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	3	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	5	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	5	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	5	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	11	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	11	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	11	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	12	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	12	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	12	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	14	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	14	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	14	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	18	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	18	0.78
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	18	0.78
(1,591)	1:33:A:ALA:HB1	1:37:A:ARG:HG2	19	0.78
(1,591)	1:33:A:ALA:HB2	1:37:A:ARG:HG2	19	0.78
(1,591)	1:33:A:ALA:HB3	1:37:A:ARG:HG2	19	0.78
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	5	0.78
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	5	0.78
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	5	0.78
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	5	0.78
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	5	0.78
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	5	0.78
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	5	0.78
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	5	0.78
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	5	0.78
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	5	0.78
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	7	0.78
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	15	0.78
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	16	0.78
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	11	0.78
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	11	0.78
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	11	0.78
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	11	0.78
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	11	0.78
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	4	0.78
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	1	0.78
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	1	0.78
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	1	0.78
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	1	0.78
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	1	0.78
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	1	0.78
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	13	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	7	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	7	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	7	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	7	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	7	0.78
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	7	0.78
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	13	0.78
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	13	0.78
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	16	0.78
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	16	0.78
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	16	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	14	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	14	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	14	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	14	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	14	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	14	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	14	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	14	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	14	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	16	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	16	0.78
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	16	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	16	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	16	0.78
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	16	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	16	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	16	0.78
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	16	0.78
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD11	20	0.78
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD12	20	0.78
(1,55)	1:5:A:THR:HB	1:6:A:ILE:HD13	20	0.78
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	8	0.78
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	8	0.78
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG11	7	0.77
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG12	7	0.77
(1,1472)	1:78:A:PRO:HA	1:44:A:VAL:HG13	7	0.77
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	4	0.77
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	4	0.77
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	4	0.77
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	4	0.77
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG2	16	0.77
(1,1387)	1:73:A:LYS:HE2	1:72:A:LYS:HG3	16	0.77
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG2	16	0.77
(1,1387)	1:73:A:LYS:HE3	1:72:A:LYS:HG3	16	0.77
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	11	0.77
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	4	0.77
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	6	0.77
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	7	0.77
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	11	0.77
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	20	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	13	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	13	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	13	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	13	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	13	0.77
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	13	0.77
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	16	0.77
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	20	0.77
(1,834)	1:46:A:VAL:H	1:46:A:VAL:HB	5	0.77
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	19	0.77
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	3	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	13	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	13	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	13	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	15	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	15	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	15	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	16	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	16	0.77
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	16	0.77
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	8	0.77
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	17	0.77
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	17	0.77
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	12	0.77
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	12	0.77
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	12	0.77
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	12	0.77
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	12	0.77
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	12	0.77
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	7	0.77
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	11	0.77
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	16	0.77
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	16	0.77
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	16	0.77
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	16	0.77
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	16	0.77
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	16	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	7	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	7	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	7	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	7	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	7	0.77
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	7	0.77
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	3	0.77
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	3	0.77
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	19	0.77
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	19	0.77
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	8	0.77
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	19	0.77
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	19	0.77
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	19	0.77
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	8	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	8	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	8	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	12	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	12	0.76
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	12	0.76
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	8	0.76
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	8	0.76
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	8	0.76
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	5	0.76
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG2	4	0.76
(1,1170)	1:65:A:PRO:HB3	1:68:A:ARG:HG3	4	0.76
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	14	0.76
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	17	0.76
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	17	0.76
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	10	0.76
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	14	0.76
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	8	0.76
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	8	0.76
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	8	0.76
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	8	0.76
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	8	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD11	14	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD12	14	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD13	14	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD21	14	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD22	14	0.76
(1,875)	1:48:A:LEU:H	1:60:A:LEU:HD23	14	0.76
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	4	0.76
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	7	0.76
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	7	0.76
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	7	0.76
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	7	0.76
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	7	0.76
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	7	0.76
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	7	0.76
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	7	0.76
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	7	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	10	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	10	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	10	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	10	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	10	0.76
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	10	0.76
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	17	0.76
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	17	0.76
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	17	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	17	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	17	0.76
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	17	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	17	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	17	0.76
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	17	0.76
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	12	0.76
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	12	0.76
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	2	0.76
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	6	0.76
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	9	0.76
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	12	0.76
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	17	0.76
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	19	0.76
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	4	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	3	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	3	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	3	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	3	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	3	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	8	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	13	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	13	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	13	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	13	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	13	0.76
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	13	0.76
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG21	6	0.76
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG22	6	0.76
(1,99)	1:7:A:GLU:H	1:6:A:ILE:HG23	6	0.76
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	4	0.76
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	4	0.76
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	4	0.76
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	4	0.76
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	4	0.76
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	4	0.76
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	4	0.76
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	4	0.76
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	4	0.76
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	8	0.76
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	8	0.76
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	8	0.76
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	4	0.75
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	2	0.75
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	7	0.75
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	14	0.75
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	6	0.75
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	6	0.75
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	6	0.75
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	4	0.75
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	4	0.75
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	4	0.75
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	4	0.75
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	4	0.75
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	13	0.75
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	13	0.75
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	5	0.75
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	5	0.75
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	5	0.75
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	11	0.75
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	13	0.75
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	1	0.75
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	8	0.75
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	8	0.75
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	8	0.75
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	8	0.75
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	8	0.75
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	8	0.75
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	8	0.75
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	8	0.75
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	8	0.75
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	8	0.75
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	20	0.75
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	13	0.75
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	13	0.75
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	13	0.75
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	13	0.75
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	13	0.75
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	13	0.75
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	13	0.75
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD21	4	0.75
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD22	4	0.75
(1,611)	1:34:A:LEU:HA	1:34:A:LEU:HD23	4	0.75
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	1	0.75
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	16	0.75
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	4	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	2	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	2	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	6	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	6	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	6	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	15	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	15	0.75
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	15	0.75
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	12	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	1	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	1	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	2	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	2	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	15	0.75
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	15	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	17	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	17	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	17	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	17	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	17	0.75
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	17	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	10	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	10	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	10	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	10	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	10	0.75
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	10	0.75
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	8	0.75
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	12	0.75
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	11	0.75
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	15	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	6	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	18	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	18	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	18	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	18	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	18	0.74
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	9	0.74
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	17	0.74
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	18	0.74
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	19	0.74
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	13	0.74
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG21	7	0.74
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG22	7	0.74
(1,1062)	1:60:A:LEU:H	1:46:A:VAL:HG23	7	0.74
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	4	0.74
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	9	0.74
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	19	0.74
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	3	0.74
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	3	0.74
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	13	0.74
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	14	0.74
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB1	9	0.74
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB2	9	0.74
(1,382)	1:24:A:LEU:H	1:29:A:ALA:HB3	9	0.74
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	11	0.74
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	16	0.74
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	16	0.74
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	16	0.74
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	16	0.74
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	16	0.74
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	16	0.74
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	1	0.74
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG21	5	0.74
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG11	1:6:A:ILE:HG23	5	0.74
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG21	5	0.74
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG12	1:6:A:ILE:HG23	5	0.74
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG21	5	0.74
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG13	1:6:A:ILE:HG23	5	0.74
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG21	5	0.74
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG21	1:6:A:ILE:HG23	5	0.74
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG21	5	0.74
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG22	1:6:A:ILE:HG23	5	0.74
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG21	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG22	5	0.74
(1,261)	1:17:A:VAL:HG23	1:6:A:ILE:HG23	5	0.74
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	14	0.74
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	15	0.74
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	15	0.74
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	15	0.74
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	15	0.74
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	15	0.74
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	15	0.74
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	15	0.74
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	15	0.74
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	15	0.74
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	16	0.73
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	16	0.73
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	16	0.73
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	20	0.73
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	20	0.73
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	20	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	11	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	11	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	11	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	11	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	11	0.73
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	11	0.73
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	9	0.73
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	12	0.73
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	19	0.73
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	11	0.73
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	5	0.73
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	12	0.73
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	12	0.73
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	1	0.73
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	15	0.73
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	6	0.73
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	10	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	4	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	4	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	4	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	4	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	4	0.73
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	4	0.73
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	4	0.73
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	4	0.73
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	4	0.73
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	4	0.73
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	4	0.73
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	4	0.73
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	20	0.73
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	3	0.73
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	3	0.73
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	15	0.73
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	15	0.73
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	2	0.73
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	14	0.73
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	14	0.73
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	14	0.73
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	20	0.73
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	20	0.73
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	20	0.73
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	12	0.73
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	3	0.73
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	4	0.73
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	11	0.73
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	16	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	17	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	17	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	17	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	17	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	17	0.73
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	17	0.73
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	10	0.73
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	8	0.73
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	8	0.73
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	6	0.72
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	2	0.72
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	2	0.72
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	2	0.72
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	2	0.72
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	2	0.72
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	2	0.72
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	15	0.72
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	15	0.72
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	1	0.72
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	17	0.72
(1,1152)	1:64:A:HIS:H	1:64:A:HIS:HB2	19	0.72
(1,1114)	1:62:A:LEU:H	1:61:A:SER:H	2	0.72
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	9	0.72
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	11	0.72
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	18	0.72
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	18	0.72
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	18	0.72
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	8	0.72
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	14	0.72
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	8	0.72
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	16	0.72
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	16	0.72
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	16	0.72
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	16	0.72
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	16	0.72
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	16	0.72
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	16	0.72
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	16	0.72
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	16	0.72
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	10	0.72
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	4	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	8	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	8	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	8	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	13	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	13	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	13	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	14	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	14	0.72
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	14	0.72
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	16	0.72
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	6	0.72
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	6	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	1	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	3	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	5	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	6	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	7	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	8	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	9	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	12	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	13	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	14	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	15	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	18	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	19	0.72
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	20	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	10	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	10	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	10	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	10	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	10	0.72
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	10	0.72
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	16	0.72
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	16	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	5	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	5	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	5	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	5	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	5	0.72
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	5	0.72
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	5	0.72
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	19	0.72
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	5	0.72
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	5	0.72
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	5	0.72
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	5	0.72
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	5	0.72
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	5	0.72
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	5	0.72
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	5	0.72
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	5	0.72
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	4	0.72
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	4	0.72
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	4	0.72
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	18	0.72
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	18	0.72
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	1	0.71
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	1	0.71
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	1	0.71
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	3	0.71
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	6	0.71
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	15	0.71
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	17	0.71
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	12	0.71
(1,957)	1:51:A:SER:H	1:50:A:LEU:H	18	0.71
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	2	0.71
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	19	0.71
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	10	0.71
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	17	0.71
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	8	0.71
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	1	0.71
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	6	0.71
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	7	0.71
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	9	0.71
(1,599)	1:34:A:LEU:H	1:34:A:LEU:HB2	10	0.71
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	6	0.71
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	6	0.71
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	6	0.71
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	1	0.71
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	20	0.71
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	4	0.71
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	3	0.71
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	3	0.71
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	3	0.71
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	10	0.7
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	10	0.7
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	10	0.7
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	10	0.7
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	10	0.7
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	10	0.7
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	10	0.7
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	10	0.7
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	10	0.7
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	9	0.7
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	9	0.7
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	5	0.7
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	10	0.7
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG2	18	0.7
(1,1234)	1:68:A:ARG:H	1:67:A:GLU:HG3	18	0.7
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	7	0.7
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	8	0.7
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	16	0.7
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	5	0.7
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	6	0.7
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	17	0.7
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	6	0.7
(1,818)	1:45:A:GLN:H	1:46:A:VAL:H	16	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	14	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	14	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	14	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	14	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	14	0.7
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	14	0.7
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	14	0.7
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	14	0.7
(1,470)	1:27:A:LYS:HD2	1:26:A:LEU:HB2	10	0.7
(1,470)	1:27:A:LYS:HD3	1:26:A:LEU:HB2	10	0.7
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	6	0.7
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	6	0.7
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	16	0.7
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	16	0.7
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	5	0.7
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	6	0.7
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	8	0.7
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	3	0.7
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	3	0.7
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	18	0.7
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	18	0.7
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	10	0.7
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	13	0.7
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	14	0.7
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	3	0.69
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	3	0.69
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	3	0.69
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	3	0.69
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	3	0.69
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	3	0.69
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	10	0.69
(1,1040)	1:58:A:GLN:H	1:56:A:ALA:H	7	0.69
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	12	0.69
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	20	0.69
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	15	0.69
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	11	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	15	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	15	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	15	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	15	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	15	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	15	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	15	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	15	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	15	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	18	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	18	0.69
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	18	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	18	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	18	0.69
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	18	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	18	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	18	0.69
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	18	0.69
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	4	0.69
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	1	0.69
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	5	0.69
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	16	0.69
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	17	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	5	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	5	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	5	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	5	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	5	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG11	19	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG12	19	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG13	19	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG21	19	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG22	19	0.69
(1,734)	1:42:A:ASN:H	1:44:A:VAL:HG23	19	0.69
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	16	0.69
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	16	0.69
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	16	0.69
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	16	0.69
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	16	0.69
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	16	0.69
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	16	0.69
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	11	0.69
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	18	0.69
(1,445)	1:26:A:LEU:HG	1:61:A:SER:HB2	19	0.69
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	4	0.69
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	1	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	6	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	6	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	6	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	6	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	6	0.69
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	6	0.69
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	6	0.69
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	6	0.69
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	6	0.69
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	6	0.69
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	6	0.69
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	6	0.69
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	11	0.69
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	18	0.69
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	18	0.69
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	5	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG11	16	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG12	16	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG13	16	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG21	16	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG22	16	0.69
(1,139)	1:9:A:GLU:H	1:8:A:VAL:HG23	16	0.69
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	20	0.69
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	3	0.69
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	19	0.69
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	7	0.69
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	11	0.69
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	17	0.69
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	17	0.69
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	17	0.69
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	17	0.69
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	17	0.69
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	17	0.69
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	17	0.69
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	17	0.69
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	17	0.69
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	10	0.69
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	2	0.68
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	1	0.68
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	9	0.68
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	9	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	18	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	18	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	18	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	18	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	18	0.68
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	18	0.68
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	14	0.68
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	19	0.68
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	7	0.68
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	19	0.68
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	19	0.68
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	19	0.68
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	5	0.68
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	1	0.68
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	10	0.68
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	10	0.68
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	10	0.68
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	15	0.68
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	9	0.68
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	9	0.68
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	5	0.68
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	5	0.68
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	12	0.68
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	6	0.68
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	6	0.68
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	3	0.68
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	7	0.68
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	12	0.68
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	12	0.68
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	9	0.68
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	15	0.68
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	18	0.68
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	10	0.68
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	10	0.68
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	10	0.68
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	10	0.68
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	10	0.68
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	10	0.68
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	8	0.67
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	16	0.67
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	16	0.67
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	16	0.67
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	16	0.67
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	16	0.67
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	16	0.67
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	16	0.67
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	16	0.67
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	16	0.67
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	2	0.67
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	14	0.67
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	10	0.67
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	20	0.67
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	20	0.67
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	20	0.67
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	8	0.67
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	18	0.67
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	18	0.67
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	2	0.67
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	2	0.67
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	2	0.67
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	2	0.67
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	5	0.67
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	9	0.67
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	9	0.67
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	1	0.67
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	10	0.67
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	10	0.67
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	10	0.67
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	10	0.67
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	10	0.67
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	10	0.67
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	10	0.67
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	10	0.67
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	11	0.67
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	10	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD11	14	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD12	14	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD13	14	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD21	14	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD22	14	0.66
(1,1327)	1:72:A:LYS:H	1:74:A:LEU:HD23	14	0.66
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	20	0.66
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	20	0.66
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	20	0.66
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	4	0.66
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	13	0.66
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	3	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	12	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	12	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	12	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	14	0.66
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	14	0.66
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	6	0.66
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	16	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	2	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	4	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	8	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	13	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	19	0.66
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	20	0.66
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	1	0.66
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	13	0.66
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	13	0.66
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	13	0.66
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	6	0.66
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	6	0.66
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	6	0.66
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	14	0.66
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	14	0.66
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	18	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD11	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD12	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD13	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD21	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD22	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD23	2	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD11	20	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD12	20	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD13	20	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD21	20	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD22	20	0.66
(1,380)	1:24:A:LEU:H	1:24:A:LEU:HD23	20	0.66
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	19	0.66
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	9	0.66
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	14	0.66
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	9	0.66
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	9	0.66
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	9	0.66
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	9	0.66
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	9	0.66
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	6	0.66
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	12	0.66
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	10	0.66
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	16	0.66
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	16	0.66
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	16	0.66
(1,40)	1:5:A:THR:H	1:3:A:ASP:HA	7	0.66
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	6	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	11	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	11	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	11	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	11	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	11	0.65
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	11	0.65
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	11	0.65
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	11	0.65
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	3	0.65
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	3	0.65
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	3	0.65
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	3	0.65
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	3	0.65
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	3	0.65
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	3	0.65
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	3	0.65
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	3	0.65
(1,1178)	1:65:A:PRO:HD3	1:25:A:THR:H	20	0.65
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	4	0.65
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	8	0.65
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	12	0.65
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	7	0.65
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	7	0.65
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	4	0.65
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	15	0.65
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	7	0.65
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	14	0.65
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	15	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	1	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	1	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	1	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	12	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	12	0.65
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	12	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	2	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	2	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	2	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	2	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	2	0.65
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	2	0.65
(1,485)	1:28:A:GLU:H	1:24:A:LEU:HA	10	0.65
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	8	0.65
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	8	0.65
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	17	0.65
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	17	0.65
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	11	0.65
(1,385)	1:24:A:LEU:H	1:28:A:GLU:HB2	1	0.65
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	11	0.65
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	4	0.65
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	9	0.65
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	10	0.65
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	10	0.65
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	10	0.65
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	9	0.65
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	9	0.65
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	9	0.65
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	2	0.65
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	6	0.65
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	9	0.65
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	8	0.65
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	8	0.65
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	8	0.65
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	8	0.65
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	8	0.65
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	8	0.65
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	13	0.65
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	16	0.65
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	16	0.65
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	6	0.65
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	15	0.65
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	16	0.65
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	2	0.65
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	2	0.65
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	8	0.65
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	13	0.65
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	19	0.65
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	1	0.65
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	13	0.65
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	13	0.65
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	13	0.65
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	18	0.65
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	17	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	19	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	19	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	19	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	19	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	19	0.64
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	19	0.64
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	19	0.64
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	19	0.64
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	4	0.64
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	4	0.64
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	4	0.64
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	4	0.64
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	4	0.64
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	4	0.64
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	4	0.64
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	4	0.64
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	5	0.64
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	5	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	18	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	18	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	18	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	18	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	18	0.64
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	18	0.64
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	14	0.64
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	3	0.64
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	9	0.64
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	11	0.64
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	12	0.64
(1,740)	1:42:A:ASN:H	1:41:A:PRO:HD3	18	0.64
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	8	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	8	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	8	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	8	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	13	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	13	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	13	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	14	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	14	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	14	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	15	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	15	0.64
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	15	0.64
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	1	0.64
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	1	0.64
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	1	0.64
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	1	0.64
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	1	0.64
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	1	0.64
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	1	0.64
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	1	0.64
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	1	0.64
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	13	0.64
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	11	0.64
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	11	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	2	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	2	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	14	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	14	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	14	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	20	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	20	0.64
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	20	0.64
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	15	0.64
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	15	0.64
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	15	0.64
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	11	0.64
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	11	0.64
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	11	0.64
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	4	0.64
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	3	0.64
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	3	0.64
(1,228)	1:16:A:THR:H	1:9:A:GLU:HB2	11	0.64
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	4	0.64
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	19	0.64
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	17	0.63
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	17	0.63
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	15	0.63
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	15	0.63
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	9	0.63
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	9	0.63
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	9	0.63
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	19	0.63
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	19	0.63
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	19	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	17	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	17	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	17	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	17	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	17	0.63
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	17	0.63
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	10	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	1	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	1	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	1	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	1	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	1	0.63
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	10	0.63
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	10	0.63
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	10	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	3	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	5	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	7	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	10	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	14	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	17	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	18	0.63
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	19	0.63
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	15	0.63
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	9	0.63
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	9	0.63
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	7	0.63
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	7	0.63
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	7	0.63
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	7	0.63
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	7	0.63
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	7	0.63
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	18	0.63
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	16	0.63
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	16	0.63
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	16	0.63
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	7	0.63
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	7	0.63
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	7	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	19	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	19	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	19	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	19	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	19	0.63
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	19	0.63
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	20	0.63
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	20	0.63
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	20	0.63
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	15	0.63
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	15	0.63
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	15	0.63
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	15	0.63
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	15	0.63
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	15	0.63
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	15	0.63
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	15	0.63
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	20	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	16	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	16	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	16	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	16	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	16	0.63
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	16	0.63
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	9	0.63
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	9	0.63
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	9	0.63
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	1	0.63
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	8	0.63
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	8	0.63
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	8	0.63
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	8	0.63
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	8	0.63
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	8	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	2	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	2	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	2	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	15	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	15	0.63
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	15	0.63
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	5	0.63
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	5	0.63
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	17	0.63
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	17	0.63
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	2	0.63
(1,192)	1:14:A:GLN:H	1:14:A:GLN:HB2	17	0.63
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	2	0.63
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	2	0.63
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	18	0.63
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	18	0.63
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	1	0.63
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	5	0.63
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	17	0.63
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	2	0.63
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	8	0.62
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	17	0.62
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	19	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	1	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	3	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	4	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	9	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	10	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	11	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	15	0.62
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	17	0.62
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	7	0.62
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	2	0.62
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	15	0.62
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	15	0.62
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	15	0.62
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	15	0.62
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	15	0.62
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	15	0.62
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	1	0.62
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	14	0.62
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	14	0.62
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	14	0.62
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	14	0.62
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	14	0.62
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	14	0.62
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	14	0.62
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	14	0.62
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	14	0.62
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	19	0.62
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	19	0.62
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	19	0.62
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	9	0.62
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	9	0.62
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	9	0.62
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	17	0.62
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	17	0.62
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	17	0.62
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	14	0.62
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	3	0.62
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	3	0.62
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	3	0.62
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	3	0.62
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	3	0.62
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	6	0.62
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	6	0.62
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	6	0.62
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	4	0.62
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	4	0.62
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	13	0.62
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	13	0.62
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	13	0.62
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	17	0.62
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	18	0.62
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	4	0.62
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	20	0.62
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	20	0.62
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	20	0.62
(1,267)	1:18:A:ILE:H	1:18:A:ILE:HB	9	0.62
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	18	0.62
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	9	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	3	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	3	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	7	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	7	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	8	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	8	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	10	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	10	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	12	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	12	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	13	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	13	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	15	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	15	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	19	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	19	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	20	0.62
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	20	0.62
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	2	0.62
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	2	0.62
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	7	0.62
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	11	0.62
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	11	0.62
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	13	0.61
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	16	0.61
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	9	0.61
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	9	0.61
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	9	0.61
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	4	0.61
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	4	0.61
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	4	0.61
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	1	0.61
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	5	0.61
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	7	0.61
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	14	0.61
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	2	0.61
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	13	0.61
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	16	0.61
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	18	0.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	17	0.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	17	0.61
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	17	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	18	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	18	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	18	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	18	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	18	0.61
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	18	0.61
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	19	0.61
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	15	0.61
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	2	0.61
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	3	0.61
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	16	0.61
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	2	0.61
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	2	0.61
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	2	0.61
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	2	0.61
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	2	0.61
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	2	0.61
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	2	0.61
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	2	0.61
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	2	0.61
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	3	0.61
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	6	0.61
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	6	0.61
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	6	0.61
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	10	0.61
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	10	0.61
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	10	0.61
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	10	0.61
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	10	0.61
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	10	0.61
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	10	0.61
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	10	0.61
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	10	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	5	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	5	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	5	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	13	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	13	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	13	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	13	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	13	0.61
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	13	0.61
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	13	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	13	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	13	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	13	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	13	0.61
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	13	0.61
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	5	0.61
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	19	0.61
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	7	0.61
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	7	0.61
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	18	0.61
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	18	0.61
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	19	0.61
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	19	0.61
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	19	0.61
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	15	0.61
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	19	0.61
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	12	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	6	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	6	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	6	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	8	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	8	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	8	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	13	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	13	0.61
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	13	0.61
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	18	0.61
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	5	0.61
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	5	0.61
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	6	0.61
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	6	0.61
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	16	0.61
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	18	0.61
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	18	0.6
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	20	0.6
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	6	0.6
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	6	0.6
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	6	0.6
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	2	0.6
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	19	0.6
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	19	0.6
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	13	0.6
(1,1126)	1:63:A:ASN:H	1:63:A:ASN:HB2	20	0.6
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	7	0.6
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	12	0.6
(1,1041)	1:58:A:GLN:H	1:57:A:GLU:H	6	0.6
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	12	0.6
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	1	0.6
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	16	0.6
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	16	0.6
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	16	0.6
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	16	0.6
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	16	0.6
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	16	0.6
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	16	0.6
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	16	0.6
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	16	0.6
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	9	0.6
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	1	0.6
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	10	0.6
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	10	0.6
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	10	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	9	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	9	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	9	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	9	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	9	0.6
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	9	0.6
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	18	0.6
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	18	0.6
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	16	0.6
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	18	0.6
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	15	0.6
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	15	0.6
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	15	0.6
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	15	0.6
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	15	0.6
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	15	0.6
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	8	0.6
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	13	0.6
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	14	0.6
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	6	0.6
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	6	0.6
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	13	0.59
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	13	0.59
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	13	0.59
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	1	0.59
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	12	0.59
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	1	0.59
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	3	0.59
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	8	0.59
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	16	0.59
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	19	0.59
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	11	0.59
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	19	0.59
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	19	0.59
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	16	0.59
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	19	0.59
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	11	0.59
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	11	0.59
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	7	0.59
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	7	0.59
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	5	0.59
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	17	0.59
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	17	0.59
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	17	0.59
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	19	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	9	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	9	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	9	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	9	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	9	0.59
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	9	0.59
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	15	0.59
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	16	0.59
(1,544)	1:31:A:LYS:H	1:30:A:LEU:HB2	4	0.59
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	19	0.59
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	5	0.59
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	3	0.59
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	3	0.59
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	3	0.59
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	13	0.59
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	13	0.59
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	13	0.59
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	13	0.59
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	13	0.59
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	13	0.59
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	13	0.59
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	8	0.59
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	17	0.59
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	17	0.59
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	17	0.59
(1,247)	1:17:A:VAL:H	1:18:A:ILE:HG12	9	0.59
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	7	0.59
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	3	0.59
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	16	0.59
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	16	0.59
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	15	0.59
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	15	0.59
(1,110)	1:7:A:GLU:HG2	1:9:A:GLU:HA	10	0.59
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	1	0.59
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	17	0.59
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	17	0.59
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	17	0.59
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	7	0.59
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	7	0.59
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	7	0.59
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	17	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	1	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	1	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	1	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	1	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	1	0.58
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	3	0.58
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	5	0.58
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	12	0.58
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	17	0.58
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	13	0.58
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	13	0.58
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	11	0.58
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	11	0.58
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	4	0.58
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	4	0.58
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	4	0.58
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	4	0.58
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	4	0.58
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	4	0.58
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	4	0.58
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	4	0.58
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	4	0.58
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	1	0.58
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	1	0.58
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	1	0.58
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	1	0.58
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	1	0.58
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	1	0.58
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	1	0.58
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	1	0.58
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	1	0.58
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	19	0.58
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	14	0.58
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	13	0.58
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	13	0.58
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	13	0.58
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	15	0.58
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	19	0.58
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	5	0.58
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	2	0.58
(1,1068)	1:60:A:LEU:H	1:47:A:TYR:HB2	7	0.58
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	8	0.58
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	16	0.58
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	8	0.58
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	20	0.58
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	14	0.58
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD11	20	0.58
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD12	20	0.58
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD13	20	0.58
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	3	0.58
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	3	0.58
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	3	0.58
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	3	0.58
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	3	0.58
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	3	0.58
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	3	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	1	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	1	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	1	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	1	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	1	0.58
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	1	0.58
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	12	0.58
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	18	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	2	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	17	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	20	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	20	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	20	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	20	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	20	0.58
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	20	0.58
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	17	0.58
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	17	0.58
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	3	0.58
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	10	0.58
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	10	0.58
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	10	0.58
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	8	0.58
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	20	0.58
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	4	0.58
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	4	0.58
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	1	0.58
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	1	0.58
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	11	0.58
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	11	0.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	18	0.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	18	0.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	20	0.58
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	20	0.58
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	12	0.58
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	20	0.57
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	11	0.57
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	19	0.57
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	9	0.57
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	9	0.57
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	9	0.57
(1,1283)	1:70:A:ILE:H	1:70:A:ILE:HB	16	0.57
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	7	0.57
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	17	0.57
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	10	0.57
(1,1207)	1:67:A:GLU:H	1:67:A:GLU:HB2	9	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	1	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	2	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	10	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	12	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	15	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	18	0.57
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	20	0.57
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	12	0.57
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	5	0.57
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	5	0.57
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	6	0.57
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	11	0.57
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	11	0.57
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	6	0.57
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	13	0.57
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	13	0.57
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	12	0.57
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	12	0.57
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	12	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	8	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	8	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	8	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	8	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	8	0.57
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	8	0.57
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	11	0.57
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	16	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	6	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	7	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	7	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	7	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	7	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	7	0.57
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	7	0.57
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	12	0.57
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	12	0.57
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	12	0.57
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	12	0.57
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	12	0.57
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	12	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	12	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	12	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	12	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	16	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	16	0.57
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	16	0.57
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	5	0.57
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	7	0.57
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	15	0.57
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	6	0.57
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	3	0.57
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	13	0.57
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	20	0.56
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	20	0.56
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	20	0.56
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	1	0.56
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	2	0.56
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	6	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	12	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	12	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	12	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	12	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	12	0.56
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	12	0.56
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	4	0.56
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	13	0.56
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	16	0.56
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	17	0.56
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	17	0.56
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	13	0.56
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	13	0.56
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	13	0.56
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	13	0.56
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	13	0.56
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	13	0.56
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	13	0.56
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	13	0.56
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	13	0.56
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	9	0.56
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	16	0.56
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	4	0.56
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	9	0.56
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	7	0.56
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	11	0.56
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	13	0.56
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	14	0.56
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	17	0.56
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	7	0.56
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	3	0.56
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	12	0.56
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	12	0.56
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	18	0.56
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	18	0.56
(1,1161)	1:64:A:HIS:HA	1:68:A:ARG:HB3	10	0.56
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	13	0.56
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	1	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	5	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	5	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	5	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	5	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	5	0.56
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	5	0.56
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	7	0.56
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	7	0.56
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	13	0.56
(1,918)	1:49:A:LEU:H	1:57:A:GLU:H	5	0.56
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	17	0.56
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	2	0.56
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	13	0.56
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	18	0.56
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	18	0.56
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	18	0.56
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	12	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	4	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	4	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	4	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	5	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	5	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	5	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	11	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	11	0.56
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	11	0.56
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	20	0.56
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	19	0.56
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	19	0.56
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	19	0.56
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	19	0.56
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	19	0.56
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	19	0.56
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	19	0.56
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	19	0.56
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	8	0.56
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	15	0.56
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	2	0.56
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	2	0.56
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	3	0.56
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	12	0.56
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	12	0.56
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	6	0.56
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	6	0.56
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	6	0.56
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	6	0.56
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	6	0.56
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	6	0.56
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	9	0.56
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	10	0.56
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	16	0.56
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	19	0.56
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	8	0.56
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	8	0.56
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	14	0.56
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	14	0.56
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	9	0.56
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	12	0.56
(1,194)	1:14:A:GLN:H	1:10:A:LEU:HB3	19	0.56
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	17	0.56
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	17	0.56
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	7	0.56
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	7	0.56
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	7	0.56
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	9	0.56
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	10	0.56
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	16	0.56
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	3	0.55
(1,1460)	1:77:A:VAL:H	1:77:A:VAL:HB	5	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	10	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	10	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	10	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	10	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	10	0.55
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	7	0.55
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	14	0.55
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	1	0.55
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	9	0.55
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	14	0.55
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	4	0.55
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	4	0.55
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	17	0.55
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	17	0.55
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	17	0.55
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	17	0.55
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	17	0.55
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	17	0.55
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	17	0.55
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	17	0.55
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	17	0.55
(1,1283)	1:70:A:ILE:H	1:70:A:ILE:HB	7	0.55
(1,1283)	1:70:A:ILE:H	1:70:A:ILE:HB	14	0.55
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	5	0.55
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	7	0.55
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	4	0.55
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	4	0.55
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	16	0.55
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	16	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	3	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	5	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	6	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	8	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	9	0.55
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	16	0.55
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	1	0.55
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	9	0.55
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	14	0.55
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	4	0.55
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	4	0.55
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	8	0.55
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	8	0.55
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	14	0.55
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	14	0.55
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	14	0.55
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	14	0.55
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	14	0.55
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	16	0.55
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	16	0.55
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	17	0.55
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	17	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	10	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	10	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	10	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	17	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	17	0.55
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	17	0.55
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	15	0.55
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	16	0.55
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	18	0.55
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	19	0.55
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	3	0.55
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	3	0.55
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	3	0.55
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	6	0.55
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	6	0.55
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	6	0.55
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	12	0.55
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	19	0.55
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	3	0.55
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	3	0.55
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	3	0.55
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	3	0.55
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	3	0.55
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	3	0.55
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	3	0.55
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	3	0.55
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	3	0.55
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	1	0.55
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	3	0.55
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	16	0.55
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	17	0.55
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	17	0.55
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	17	0.55
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	17	0.55
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	17	0.55
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	17	0.55
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	20	0.55
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	20	0.55
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	12	0.55
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	12	0.55
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	12	0.55
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	14	0.55
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	13	0.55
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	10	0.55
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	12	0.55
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	3	0.55
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	18	0.55
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	20	0.55
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	17	0.54
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	17	0.54
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	17	0.54
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	20	0.54
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	20	0.54
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	4	0.54
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	4	0.54
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	4	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	1	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	8	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	8	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	8	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	8	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	8	0.54
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	8	0.54
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	12	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	3	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	3	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	11	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	11	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	12	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	12	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	20	0.54
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	20	0.54
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	3	0.54
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	3	0.54
(1,1233)	1:68:A:ARG:H	1:68:A:ARG:HB3	14	0.54
(1,1185)	1:66:A:ALA:H	1:65:A:PRO:HB3	4	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	18	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	18	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	18	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	18	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	18	0.54
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	18	0.54
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	6	0.54
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	18	0.54
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	9	0.54
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	9	0.54
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	15	0.54
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	15	0.54
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE21	8	0.54
(1,1039)	1:58:A:GLN:H	1:58:A:GLN:HE22	8	0.54
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	12	0.54
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	19	0.54
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	19	0.54
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	19	0.54
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	20	0.54
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	20	0.54
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	18	0.54
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	17	0.54
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	1	0.54
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	12	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	11	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	11	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	11	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	13	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	13	0.54
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	13	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	1	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	2	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	3	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	4	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	8	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	11	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	13	0.54
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	20	0.54
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	1	0.54
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	12	0.54
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	15	0.54
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	15	0.54
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	13	0.54
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	18	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	5	0.54
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	5	0.54
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	5	0.54
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	5	0.54
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	5	0.54
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	5	0.54
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	5	0.54
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	5	0.54
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	5	0.54
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	5	0.54
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	5	0.54
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	19	0.54
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	9	0.54
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	9	0.54
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	9	0.54
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	9	0.54
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	9	0.54
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	9	0.54
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	17	0.54
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	17	0.54
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	17	0.54
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	12	0.54
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	9	0.54
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	19	0.54
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	15	0.54
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	14	0.54
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	14	0.54
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	14	0.54
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	5	0.54
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	5	0.54
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	5	0.54
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	5	0.54
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	5	0.54
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	5	0.54
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB2	4	0.54
(1,119)	1:8:A:VAL:H	1:7:A:GLU:HB3	4	0.54
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	14	0.54
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	1	0.54
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	9	0.54
(1,42)	1:5:A:THR:H	1:6:A:ILE:HA	9	0.54
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	15	0.54
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	20	0.53
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	5	0.53
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	4	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	5	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	7	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	9	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	18	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	19	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	19	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	19	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	19	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	19	0.53
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	19	0.53
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	18	0.53
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	18	0.53
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	7	0.53
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	7	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	8	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	8	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	8	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	8	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	8	0.53
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	8	0.53
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	8	0.53
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	8	0.53
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	8	0.53
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	8	0.53
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	8	0.53
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	8	0.53
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	9	0.53
(1,1233)	1:68:A:ARG:H	1:68:A:ARG:HB3	4	0.53
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	4	0.53
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	8	0.53
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	13	0.53
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	16	0.53
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	7	0.53
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	7	0.53
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	16	0.53
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	16	0.53
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	7	0.53
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	7	0.53
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	7	0.53
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	7	0.53
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	7	0.53
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	7	0.53
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	1	0.53
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	2	0.53
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	3	0.53
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	14	0.53
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	17	0.53
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	17	0.53
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	16	0.53
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	16	0.53
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	12	0.53
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	9	0.53
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	9	0.53
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	12	0.53
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	14	0.53
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	14	0.53
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	14	0.53
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	20	0.53
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	20	0.53
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	20	0.53
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	17	0.53
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	17	0.53
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	20	0.53
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	5	0.53
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	18	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	2	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	2	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	2	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	4	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	4	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	4	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	9	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	9	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	9	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	14	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	14	0.53
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	14	0.53
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	5	0.53
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	6	0.53
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	7	0.53
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	9	0.53
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	17	0.53
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	2	0.53
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	2	0.53
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	2	0.53
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	20	0.53
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	20	0.53
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	20	0.53
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	20	0.53
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	20	0.53
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	20	0.53
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	20	0.53
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	20	0.53
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	20	0.53
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	20	0.53
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	20	0.53
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	11	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	6	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	14	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	14	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	14	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	14	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	14	0.53
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	14	0.53
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	4	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	13	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	13	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	13	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	13	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	13	0.53
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	13	0.53
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	9	0.53
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	10	0.53
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	13	0.53
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	14	0.53
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	20	0.53
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	8	0.53
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	8	0.53
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	14	0.53
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	20	0.53
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	20	0.53
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	20	0.53
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	20	0.53
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	20	0.53
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	20	0.53
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	10	0.53
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	10	0.53
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	11	0.53
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	1	0.53
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	1	0.53
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	4	0.53
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	4	0.53
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	4	0.53
(1,268)	1:18:A:ILE:H	1:6:A:ILE:HB	11	0.53
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	1	0.53
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	17	0.53
(1,258)	1:17:A:VAL:HG11	1:7:A:GLU:HG2	8	0.53
(1,258)	1:17:A:VAL:HG12	1:7:A:GLU:HG2	8	0.53
(1,258)	1:17:A:VAL:HG13	1:7:A:GLU:HG2	8	0.53
(1,258)	1:17:A:VAL:HG21	1:7:A:GLU:HG2	8	0.53
(1,258)	1:17:A:VAL:HG22	1:7:A:GLU:HG2	8	0.53
(1,258)	1:17:A:VAL:HG23	1:7:A:GLU:HG2	8	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	13	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	13	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	13	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	13	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	13	0.53
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	13	0.53
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	6	0.53
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	9	0.53
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	9	0.53
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	9	0.53
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	9	0.53
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	9	0.53
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	9	0.53
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	9	0.53
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	9	0.53
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	9	0.53
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	6	0.53
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	10	0.53
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	4	0.53
(1,18)	1:4:A:ARG:HA	1:4:A:ARG:HG2	12	0.53
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	3	0.52
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	3	0.52
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	19	0.52
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	19	0.52
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	11	0.52
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	11	0.52
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	11	0.52
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	11	0.52
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	11	0.52
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	10	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	1	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	1	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	3	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	3	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	11	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	11	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	16	0.52
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	16	0.52
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	11	0.52
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	11	0.52
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	11	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	13	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	14	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	14	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	14	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	14	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	14	0.52
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	14	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	5	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	5	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	6	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	6	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	15	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	15	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	17	0.52
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	17	0.52
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	3	0.52
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	3	0.52
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	3	0.52
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	3	0.52
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	3	0.52
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	3	0.52
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	3	0.52
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	3	0.52
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	10	0.52
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	12	0.52
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	17	0.52
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	5	0.52
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	5	0.52
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	5	0.52
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	8	0.52
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	1	0.52
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	18	0.52
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	3	0.52
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	20	0.52
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	14	0.52
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	14	0.52
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	5	0.52
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	5	0.52
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	5	0.52
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	5	0.52
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	5	0.52
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	5	0.52
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	14	0.52
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	14	0.52
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	14	0.52
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	14	0.52
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	14	0.52
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	14	0.52
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE2	10	0.52
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE3	10	0.52
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	14	0.52
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	7	0.52
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	9	0.52
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	16	0.52
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	20	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	10	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	11	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	11	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	11	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	11	0.52
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	11	0.52
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	13	0.52
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	7	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	3	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	3	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	5	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	5	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	15	0.52
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	15	0.52
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	3	0.52
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	8	0.52
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	19	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	2	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	2	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	2	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	20	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	20	0.52
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	20	0.52
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	19	0.52
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	19	0.52
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	19	0.52
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	9	0.52
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	13	0.52
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	11	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	18	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	18	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	18	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	18	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	18	0.52
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	18	0.52
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	6	0.52
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	6	0.52
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	6	0.52
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	6	0.52
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	6	0.52
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	6	0.52
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	6	0.52
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	6	0.52
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	11	0.52
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	15	0.52
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	20	0.52
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	3	0.52
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	7	0.52
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	11	0.52
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	20	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	3	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	3	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	3	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	6	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	6	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	6	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	7	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	7	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	7	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	8	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	8	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	8	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	16	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	16	0.52
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	16	0.52
(1,706)	1:40:A:ASP:H	1:40:A:ASP:HB3	10	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	1	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	1	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	1	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	19	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	19	0.52
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	19	0.52
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	10	0.52
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	17	0.52
(1,652)	1:36:A:VAL:HG11	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG12	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG13	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG21	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG22	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG23	1:37:A:ARG:HG2	2	0.52
(1,652)	1:36:A:VAL:HG11	1:37:A:ARG:HG2	5	0.52
(1,652)	1:36:A:VAL:HG12	1:37:A:ARG:HG2	5	0.52
(1,652)	1:36:A:VAL:HG13	1:37:A:ARG:HG2	5	0.52
(1,652)	1:36:A:VAL:HG21	1:37:A:ARG:HG2	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:36:A:VAL:HG22	1:37:A:ARG:HG2	5	0.52
(1,652)	1:36:A:VAL:HG23	1:37:A:ARG:HG2	5	0.52
(1,652)	1:36:A:VAL:HG11	1:37:A:ARG:HG2	18	0.52
(1,652)	1:36:A:VAL:HG12	1:37:A:ARG:HG2	18	0.52
(1,652)	1:36:A:VAL:HG13	1:37:A:ARG:HG2	18	0.52
(1,652)	1:36:A:VAL:HG21	1:37:A:ARG:HG2	18	0.52
(1,652)	1:36:A:VAL:HG22	1:37:A:ARG:HG2	18	0.52
(1,652)	1:36:A:VAL:HG23	1:37:A:ARG:HG2	18	0.52
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	4	0.52
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	13	0.52
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	15	0.52
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD2	18	0.52
(1,637)	1:35:A:LYS:HE2	1:32:A:LYS:HD3	18	0.52
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD2	18	0.52
(1,637)	1:35:A:LYS:HE3	1:32:A:LYS:HD3	18	0.52
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	10	0.52
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	10	0.52
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	10	0.52
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	6	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	4	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	10	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	13	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	17	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	17	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	17	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	17	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	17	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	18	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	18	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	18	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	18	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	18	0.52
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	18	0.52
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	5	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD11	10	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD12	10	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD13	10	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD21	10	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD22	10	0.52
(1,498)	1:29:A:ALA:H	1:24:A:LEU:HD23	10	0.52
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	7	0.52
(1,472)	1:27:A:LYS:HE2	1:42:A:ASN:HA	13	0.52
(1,472)	1:27:A:LYS:HE3	1:42:A:ASN:HA	13	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	1	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	1	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	6	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	6	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	11	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	11	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	15	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	15	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	16	0.52
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	16	0.52
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	13	0.52
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	18	0.52
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	19	0.52
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	19	0.52
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	19	0.52
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	19	0.52
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	19	0.52
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	1	0.52
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	17	0.52
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	17	0.52
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	13	0.52
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	20	0.52
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	10	0.52
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	10	0.52
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	10	0.52
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	16	0.52
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	5	0.52
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	4	0.52
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	4	0.52
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	4	0.52
(1,9)	1:4:A:ARG:H	1:3:A:ASP:HA	11	0.52
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	6	0.51
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	7	0.51
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	17	0.51
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	17	0.51
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	10	0.51
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	10	0.51
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	11	0.51
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	11	0.51
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	5	0.51
(1,1411)	1:75:A:LYS:H	1:74:A:LEU:HB3	6	0.51
(1,1407)	1:74:A:LEU:HD11	1:48:A:LEU:HA	6	0.51
(1,1407)	1:74:A:LEU:HD12	1:48:A:LEU:HA	6	0.51
(1,1407)	1:74:A:LEU:HD13	1:48:A:LEU:HA	6	0.51
(1,1407)	1:74:A:LEU:HD21	1:48:A:LEU:HA	6	0.51
(1,1407)	1:74:A:LEU:HD22	1:48:A:LEU:HA	6	0.51
(1,1407)	1:74:A:LEU:HD23	1:48:A:LEU:HA	6	0.51
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	9	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	2	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	2	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	6	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	6	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	15	0.51
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	15	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	10	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	10	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	10	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	10	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	10	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	11	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	16	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	16	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	16	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	16	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	16	0.51
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	16	0.51
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	19	0.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	17	0.51
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	17	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	2	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	2	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	4	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	4	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	14	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	14	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	16	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	16	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	19	0.51
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	19	0.51
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	13	0.51
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	13	0.51
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	13	0.51
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD21	9	0.51
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD22	9	0.51
(1,1305)	1:70:A:ILE:HD11	1:69:A:LEU:HD23	9	0.51
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD21	9	0.51
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD22	9	0.51
(1,1305)	1:70:A:ILE:HD12	1:69:A:LEU:HD23	9	0.51
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD21	9	0.51
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD22	9	0.51
(1,1305)	1:70:A:ILE:HD13	1:69:A:LEU:HD23	9	0.51
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	11	0.51
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	15	0.51
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	6	0.51
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	20	0.51
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	3	0.51
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	10	0.51
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	16	0.51
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	19	0.51
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	2	0.51
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	12	0.51
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	17	0.51
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	3	0.51
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	10	0.51
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	17	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	2	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	2	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	17	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	17	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	20	0.51
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	20	0.51
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	20	0.51
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	20	0.51
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	20	0.51
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	20	0.51
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	20	0.51
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	20	0.51
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE2	1	0.51
(1,1106)	1:62:A:LEU:H	1:27:A:LYS:HE3	1	0.51
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	4	0.51
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	6	0.51
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	10	0.51
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	15	0.51
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	18	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	2	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	2	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	2	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	2	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	2	0.51
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	2	0.51
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	19	0.51
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	19	0.51
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	20	0.51
(1,1040)	1:58:A:GLN:H	1:56:A:ALA:H	15	0.51
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	6	0.51
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	11	0.51
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	14	0.51
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	19	0.51
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	6	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	4	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	4	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	8	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	8	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	10	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	10	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	11	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	11	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	13	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	13	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	20	0.51
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD11	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD12	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD13	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD21	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD22	20	0.51
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD23	20	0.51
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	15	0.51
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	6	0.51
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	6	0.51
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	6	0.51
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	14	0.51
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	14	0.51
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	14	0.51
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	16	0.51
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	16	0.51
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	16	0.51
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	8	0.51
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	8	0.51
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	16	0.51
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	16	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	3	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	3	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	3	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	3	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	3	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	6	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	11	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	20	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	20	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	20	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	20	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	20	0.51
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	20	0.51
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	14	0.51
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	14	0.51
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	14	0.51
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD21	15	0.51
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD22	15	0.51
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD23	15	0.51
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD21	15	0.51
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD22	15	0.51
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD23	15	0.51
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD21	15	0.51
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD22	15	0.51
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD23	15	0.51
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	7	0.51
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	15	0.51
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	18	0.51
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE21	2	0.51
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE22	2	0.51
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	9	0.51
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	16	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	2	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	9	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	12	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	13	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	14	0.51
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	15	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	5	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	5	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	5	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	15	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	15	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	15	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	19	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	19	0.51
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	19	0.51
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	18	0.51
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	18	0.51
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	18	0.51
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	6	0.51
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	8	0.51
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	14	0.51
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	20	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	19	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	19	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	19	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	19	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	19	0.51
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	19	0.51
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	9	0.51
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	12	0.51
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	5	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	11	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	11	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	11	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	11	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	11	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	12	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	15	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	19	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	19	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	19	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	19	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	19	0.51
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	19	0.51
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	7	0.51
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	15	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	2	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	2	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	3	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	3	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	4	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	4	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	5	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	5	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	9	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	9	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	14	0.51
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	14	0.51
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	5	0.51
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	12	0.51
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	13	0.51
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	14	0.51
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	18	0.51
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	15	0.51
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	2	0.51
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	2	0.51
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	2	0.51
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	2	0.51
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	2	0.51
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	11	0.51
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	11	0.51
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	11	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	7	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	7	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	7	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	18	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	18	0.51
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	18	0.51
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	1	0.51
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	18	0.51
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	7	0.51
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	17	0.51
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	7	0.51
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	7	0.51
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	7	0.51
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	14	0.51
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	14	0.51
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	14	0.51
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	14	0.51
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	14	0.51
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	14	0.51
(1,258)	1:17:A:VAL:HG11	1:7:A:GLU:HG2	13	0.51
(1,258)	1:17:A:VAL:HG12	1:7:A:GLU:HG2	13	0.51
(1,258)	1:17:A:VAL:HG13	1:7:A:GLU:HG2	13	0.51
(1,258)	1:17:A:VAL:HG21	1:7:A:GLU:HG2	13	0.51
(1,258)	1:17:A:VAL:HG22	1:7:A:GLU:HG2	13	0.51
(1,258)	1:17:A:VAL:HG23	1:7:A:GLU:HG2	13	0.51
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	15	0.51
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	15	0.51
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	15	0.51
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	11	0.51
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	11	0.51
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	20	0.51
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	14	0.51
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	18	0.51
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	18	0.51
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	18	0.51
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG21	7	0.5
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG22	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG23	7	0.5
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	9	0.5
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	18	0.5
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	20	0.5
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	11	0.5
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	13	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	1	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	1	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	7	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	7	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	12	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	12	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	13	0.5
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	13	0.5
(1,1407)	1:74:A:LEU:HD11	1:48:A:LEU:HA	2	0.5
(1,1407)	1:74:A:LEU:HD12	1:48:A:LEU:HA	2	0.5
(1,1407)	1:74:A:LEU:HD13	1:48:A:LEU:HA	2	0.5
(1,1407)	1:74:A:LEU:HD21	1:48:A:LEU:HA	2	0.5
(1,1407)	1:74:A:LEU:HD22	1:48:A:LEU:HA	2	0.5
(1,1407)	1:74:A:LEU:HD23	1:48:A:LEU:HA	2	0.5
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	10	0.5
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	10	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	12	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	17	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	17	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	17	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	17	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	17	0.5
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	17	0.5
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	18	0.5
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	1	0.5
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	1	0.5
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	10	0.5
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	10	0.5
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	16	0.5
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	16	0.5
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	1	0.5
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	2	0.5
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	1	0.5
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	13	0.5
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	3	0.5
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	5	0.5
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	10	0.5
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	15	0.5
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	13	0.5
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	13	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	3	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	6	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	9	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	11	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	15	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	16	0.5
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	18	0.5
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	1	0.5
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	1	0.5
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	1	0.5
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	1	0.5
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	1	0.5
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	1	0.5
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	4	0.5
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	6	0.5
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	5	0.5
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	9	0.5
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	1	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	7	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	7	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	7	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	7	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	7	0.5
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	7	0.5
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	14	0.5
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	14	0.5
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	2	0.5
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	3	0.5
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	15	0.5
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	18	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	1	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	2	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	2	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	17	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	17	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	19	0.5
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	19	0.5
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	6	0.5
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	1	0.5
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	1	0.5
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	1	0.5
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	2	0.5
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	2	0.5
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	2	0.5
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	9	0.5
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	9	0.5
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	9	0.5
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	10	0.5
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	10	0.5
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	10	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	18	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	18	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	18	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	18	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	18	0.5
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	18	0.5
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	11	0.5
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	11	0.5
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	11	0.5
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	15	0.5
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	15	0.5
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	15	0.5
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	7	0.5
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	13	0.5
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	14	0.5
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE21	12	0.5
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE22	12	0.5
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	10	0.5
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	10	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	6	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	6	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	6	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	6	0.5
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	6	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	5	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	5	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	10	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	10	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	12	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	12	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	18	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	18	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	19	0.5
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	19	0.5
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	6	0.5
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	6	0.5
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	8	0.5
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	14	0.5
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	14	0.5
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	6	0.5
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	6	0.5
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	8	0.5
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	16	0.5
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	3	0.5
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	16	0.5
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	4	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	3	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	3	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	10	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	10	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	18	0.5
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	18	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	7	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	9	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	9	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	9	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	9	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	9	0.5
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	1	0.5
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	6	0.5
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	17	0.5
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	7	0.5
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	7	0.5
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	13	0.5
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	13	0.5
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	2	0.5
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	8	0.5
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	8	0.5
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	8	0.5
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	8	0.5
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	8	0.5
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	8	0.5
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	4	0.5
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	4	0.5
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	4	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	2	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	2	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	2	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	2	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	2	0.5
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	2	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	2	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	4	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	7	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	10	0.5
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	16	0.5
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	1	0.5
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	1	0.5
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	1	0.5
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	7	0.5
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	19	0.5
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	1	0.5
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	19	0.5
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	19	0.5
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	17	0.5
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	17	0.5
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	17	0.5
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	19	0.5
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	19	0.5
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	19	0.5
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	15	0.5
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	19	0.5
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	1	0.5
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	1	0.5
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	2	0.5
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	15	0.5
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	4	0.5
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	15	0.5
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG21	6	0.5
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG22	6	0.5
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG23	6	0.5
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	14	0.5
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	14	0.5
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	14	0.5
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	8	0.49
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	10	0.49
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	5	0.49
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	15	0.49
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	18	0.49
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	17	0.49
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	9	0.49
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	9	0.49
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	18	0.49
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	18	0.49
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	3	0.49
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	3	0.49
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	3	0.49
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	9	0.49
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	5	0.49
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	5	0.49
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	5	0.49
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	5	0.49
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	5	0.49
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	5	0.49
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	5	0.49
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	5	0.49
(1,1293)	1:70:A:ILE:HA	1:6:A:ILE:HB	17	0.49
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	4	0.49
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	2	0.49
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	5	0.49
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	12	0.49
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	2	0.49
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	2	0.49
(1,1166)	1:64:A:HIS:HB2	1:65:A:PRO:HA	2	0.49
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	13	0.49
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	10	0.49
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	10	0.49
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	10	0.49
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	10	0.49
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	10	0.49
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	10	0.49
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	18	0.49
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD21	12	0.49
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD22	12	0.49
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	2	0.49
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	8	0.49
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	12	0.49
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	6	0.49
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	18	0.49
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	18	0.49
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	18	0.49
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	18	0.49
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	5	0.49
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	5	0.49
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	5	0.49
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	13	0.49
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	13	0.49
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	13	0.49
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	17	0.49
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	17	0.49
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	17	0.49
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	5	0.49
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	12	0.49
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	14	0.49
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	7	0.49
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	7	0.49
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	15	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	7	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	7	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	15	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	15	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	20	0.49
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	20	0.49
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	19	0.49
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	18	0.49
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	8	0.49
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	8	0.49
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	8	0.49
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	1	0.49
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	7	0.49
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	9	0.49
(1,659)	1:37:A:ARG:H	1:37:A:ARG:HB2	17	0.49
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	7	0.49
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	7	0.49
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	7	0.49
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	7	0.49
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	7	0.49
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	7	0.49
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	7	0.49
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	2	0.49
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	13	0.49
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	13	0.49
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	13	0.49
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	8	0.49
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	12	0.49
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD2	20	0.49
(1,444)	1:26:A:LEU:HG	1:27:A:LYS:HD3	20	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	7	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	7	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	7	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	16	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	16	0.49
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	13	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	20	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	20	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	20	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	20	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	20	0.49
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	20	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	2	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	2	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	2	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	12	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	12	0.49
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	12	0.49
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	13	0.49
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	15	0.49
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	15	0.49
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	15	0.49
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	15	0.49
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	15	0.49
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	15	0.49
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	19	0.49
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	19	0.49
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	19	0.49
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	9	0.49
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	9	0.49
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG2	12	0.49
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG3	12	0.49
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG2	12	0.49
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG3	12	0.49
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	7	0.49
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	7	0.49
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	9	0.49
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	9	0.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	12	0.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	12	0.49
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	12	0.49
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG21	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG22	19	0.48
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG23	19	0.48
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	6	0.48
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	9	0.48
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	19	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	16	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	16	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	16	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	16	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	16	0.48
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	16	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	9	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	9	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	9	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	9	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	9	0.48
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	9	0.48
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	8	0.48
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	20	0.48
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	20	0.48
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	15	0.48
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	18	0.48
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	8	0.48
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	8	0.48
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	12	0.48
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	12	0.48
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	12	0.48
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	12	0.48
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	12	0.48
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	12	0.48
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	12	0.48
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	12	0.48
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	12	0.48
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	18	0.48
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	16	0.48
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	16	0.48
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	16	0.48
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	18	0.48
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	15	0.48
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	10	0.48
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	10	0.48
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	11	0.48
(1,1040)	1:58:A:GLN:H	1:56:A:ALA:H	5	0.48
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	18	0.48
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	18	0.48
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	12	0.48
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	12	0.48
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	12	0.48
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	16	0.48
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	10	0.48
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	1	0.48
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	1	0.48
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	11	0.48
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	10	0.48
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	8	0.48
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	7	0.48
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	20	0.48
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	20	0.48
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	20	0.48
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	5	0.48
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	1	0.48
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	8	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	2	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	7	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	7	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	7	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	7	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	7	0.48
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	7	0.48
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	11	0.48
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	14	0.48
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	6	0.48
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	9	0.48
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	17	0.48
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	17	0.48
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	17	0.48
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	14	0.48
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	14	0.48
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	14	0.48
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	14	0.48
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	14	0.48
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	9	0.48
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	6	0.48
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	8	0.48
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	12	0.48
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	12	0.48
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	2	0.48
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	11	0.48
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	11	0.48
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	11	0.48
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	11	0.48
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	11	0.48
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	11	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	6	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	6	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	13	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	13	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	18	0.48
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	18	0.48
(1,137)	1:9:A:GLU:H	1:75:A:LYS:HD2	17	0.48
(1,111)	1:7:A:GLU:HG2	1:73:A:LYS:HA	17	0.48
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	1	0.48
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	1	0.48
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	1	0.48
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	1	0.47
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	20	0.47
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	18	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG23	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG23	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG23	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG23	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG23	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG11	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG12	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG13	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG21	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG22	10	0.47
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG23	10	0.47
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	2	0.47
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	2	0.47
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	9	0.47
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	9	0.47
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	9	0.47
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD2	14	0.47
(1,1392)	1:74:A:LEU:H	1:73:A:LYS:HD3	14	0.47
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	14	0.47
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	14	0.47
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	18	0.47
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	18	0.47
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	1	0.47
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	1	0.47
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	1	0.47
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	1	0.47
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	1	0.47
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	1	0.47
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	1	0.47
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	1	0.47
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	15	0.47
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	15	0.47
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	15	0.47
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	6	0.47
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	10	0.47
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	8	0.47
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	17	0.47
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	1	0.47
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	1	0.47
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG2	10	0.47
(1,1162)	1:64:A:HIS:HA	1:65:A:PRO:HG3	10	0.47
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	12	0.47
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	12	0.47
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	12	0.47
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	12	0.47
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	12	0.47
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	12	0.47
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	11	0.47
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	16	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	1	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	1	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	1	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	1	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	1	0.47
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	1	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	1	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	1	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	1	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	4	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	4	0.47
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	4	0.47
(1,1001)	1:56:A:ALA:HB1	1:49:A:LEU:HG	7	0.47
(1,1001)	1:56:A:ALA:HB2	1:49:A:LEU:HG	7	0.47
(1,1001)	1:56:A:ALA:HB3	1:49:A:LEU:HG	7	0.47
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	19	0.47
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	8	0.47
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	13	0.47
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	13	0.47
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	4	0.47
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	2	0.47
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	2	0.47
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	2	0.47
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	5	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	9	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	18	0.47
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	18	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD11	20	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD12	20	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD13	20	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD21	20	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD22	20	0.47
(1,542)	1:31:A:LYS:H	1:30:A:LEU:HD23	20	0.47
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	17	0.47
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	0.47
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	15	0.47
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	15	0.47
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	15	0.47
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	15	0.47
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	15	0.47
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	15	0.47
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	13	0.47
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	13	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	1	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	1	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	1	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	9	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	9	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	15	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	15	0.47
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	15	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	1	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	3	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	4	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	8	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	11	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	12	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	15	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	16	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	18	0.47
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	19	0.47
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	10	0.47
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	17	0.47
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	17	0.47
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	17	0.47
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	18	0.47
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	2	0.47
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	13	0.47
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	19	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	7	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	7	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	7	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	7	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	7	0.46
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	7	0.46
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	2	0.46
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	12	0.46
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD21	8	0.46
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD22	8	0.46
(1,1081)	1:61:A:SER:H	1:62:A:LEU:HD23	8	0.46
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	11	0.46
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	11	0.46
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	8	0.46
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD11	7	0.46
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD12	7	0.46
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD13	7	0.46
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD21	7	0.46
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD22	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:57:A:GLU:HG2	1:49:A:LEU:HD23	7	0.46
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	11	0.46
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	13	0.46
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	12	0.46
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	12	0.46
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	12	0.46
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	12	0.46
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	12	0.46
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	12	0.46
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	6	0.46
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	20	0.46
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	20	0.46
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	20	0.46
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	20	0.46
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	20	0.46
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	20	0.46
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	20	0.46
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	20	0.46
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	20	0.46
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	6	0.46
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	6	0.46
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	6	0.46
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	19	0.46
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	10	0.46
(1,592)	1:33:A:ALA:HB1	1:16:A:THR:HB	2	0.46
(1,592)	1:33:A:ALA:HB2	1:16:A:THR:HB	2	0.46
(1,592)	1:33:A:ALA:HB3	1:16:A:THR:HB	2	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	1	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	1	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	1	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	1	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	1	0.46
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	1	0.46
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	1	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	1	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	1	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	1	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	1	0.46
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	1	0.46
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	3	0.46
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	9	0.46
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	9	0.46
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	8	0.46
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	10	0.46
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	18	0.46
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	18	0.46
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	18	0.46
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	9	0.46
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	9	0.46
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	9	0.46
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	9	0.46
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	9	0.46
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	9	0.46
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	14	0.46
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	14	0.46
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	12	0.46
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	12	0.46
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	12	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	8	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	8	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	8	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	17	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	17	0.46
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	17	0.46
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	8	0.46
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	8	0.46
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	8	0.46
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	8	0.46
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	8	0.46
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	8	0.46
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	8	0.46
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	7	0.46
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	9	0.46
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	12	0.46
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	12	0.46
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	12	0.46
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	3	0.46
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	1	0.46
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	1	0.46
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG2	9	0.46
(1,230)	1:16:A:THR:H	1:15:A:ARG:HG3	9	0.46
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	4	0.46
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	4	0.46
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	19	0.46
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	5	0.46
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	14	0.46
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	18	0.46
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	12	0.46
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	5	0.45
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	13	0.45
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	16	0.45
(1,1510)	1:79:A:LEU:HD11	1:45:A:GLN:HB2	11	0.45
(1,1510)	1:79:A:LEU:HD12	1:45:A:GLN:HB2	11	0.45
(1,1510)	1:79:A:LEU:HD13	1:45:A:GLN:HB2	11	0.45
(1,1510)	1:79:A:LEU:HD21	1:45:A:GLN:HB2	11	0.45
(1,1510)	1:79:A:LEU:HD22	1:45:A:GLN:HB2	11	0.45
(1,1510)	1:79:A:LEU:HD23	1:45:A:GLN:HB2	11	0.45
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	8	0.45
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	8	0.45
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	14	0.45
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	14	0.45
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	10	0.45
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	18	0.45
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	8	0.45
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	8	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	20	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	20	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	20	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	20	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	20	0.45
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	20	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	1	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	1	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	1	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	1	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	1	0.45
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	1	0.45
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	1	0.45
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	1	0.45
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	1	0.45
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	1	0.45
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	1	0.45
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	1	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	2	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	2	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	2	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	7	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	7	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	7	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	14	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	14	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	14	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	15	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	15	0.45
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	15	0.45
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	14	0.45
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	3	0.45
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	10	0.45
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	8	0.45
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	5	0.45
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	4	0.45
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	9	0.45
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	9	0.45
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	5	0.45
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	8	0.45
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	19	0.45
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	4	0.45
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	20	0.45
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	13	0.45
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	14	0.45
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	14	0.45
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	9	0.45
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	12	0.45
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	11	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	8	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	8	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	8	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	8	0.45
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	8	0.45
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	10	0.45
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	10	0.45
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	10	0.45
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	19	0.45
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	10	0.45
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	4	0.45
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	4	0.45
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	7	0.45
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	2	0.45
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	19	0.45
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	1	0.45
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	12	0.45
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	12	0.45
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	12	0.45
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	12	0.45
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	12	0.45
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	12	0.45
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	12	0.45
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	12	0.45
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	12	0.45
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	6	0.45
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	20	0.45
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	20	0.45
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	20	0.45
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	12	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	8	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	8	0.45
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	8	0.45
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	6	0.45
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	6	0.45
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	6	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	17	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	17	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	17	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	17	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	17	0.45
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	16	0.45
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	16	0.45
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	16	0.45
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	16	0.45
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	16	0.45
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	16	0.45
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	5	0.45
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	6	0.45
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	17	0.45
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	16	0.45
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	16	0.45
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	16	0.45
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	2	0.45
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	2	0.45
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	2	0.45
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG21	4	0.45
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG22	4	0.45
(1,303)	1:19:A:ASN:H	1:18:A:ILE:HG23	4	0.45
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	2	0.45
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	2	0.45
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	13	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	3	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	3	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	3	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	3	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	3	0.45
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	3	0.45
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	3	0.45
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	3	0.45
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	3	0.45
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	4	0.45
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	4	0.45
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	16	0.45
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	5	0.45
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	9	0.45
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	8	0.45
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	8	0.45
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	17	0.45
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	4	0.45
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	16	0.45
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	13	0.45
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	13	0.45
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	13	0.45
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	6	0.45
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	17	0.45
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	17	0.45
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	3	0.44
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	15	0.44
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	8	0.44
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	15	0.44
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	8	0.44
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	8	0.44
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	8	0.44
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	5	0.44
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	7	0.44
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	12	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	2	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	3	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	7	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	9	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	13	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	14	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	15	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	16	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	17	0.44
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	20	0.44
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	20	0.44
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	16	0.44
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	16	0.44
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	8	0.44
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	8	0.44
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	8	0.44
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	15	0.44
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	15	0.44
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	15	0.44
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	8	0.44
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	3	0.44
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	9	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	19	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	19	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	19	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	19	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	19	0.44
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	19	0.44
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	1	0.44
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	1	0.44
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	17	0.44
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	10	0.44
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	10	0.44
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	12	0.44
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	12	0.44
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	12	0.44
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	16	0.44
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	16	0.44
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	16	0.44
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	12	0.44
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	15	0.44
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	10	0.44
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	2	0.44
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	2	0.44
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	7	0.44
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	7	0.44
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	19	0.44
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	3	0.44
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	16	0.44
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	14	0.44
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	4	0.44
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	4	0.44
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	19	0.44
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	19	0.44
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	19	0.44
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	4	0.44
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	12	0.44
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	12	0.44
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	12	0.44
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	12	0.44
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	12	0.44
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	12	0.44
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	3	0.44
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	18	0.44
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	18	0.44
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	18	0.44
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	1	0.44
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	6	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	7	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	7	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	7	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	14	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	14	0.44
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	14	0.44
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	15	0.44
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG2	1	0.44
(1,118)	1:8:A:VAL:H	1:9:A:GLU:HG3	1	0.44
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	9	0.44
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	14	0.44
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	14	0.44
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	14	0.44
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	7	0.44
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	7	0.44
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	7	0.44
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	1	0.44
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	3	0.44
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	8	0.44
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	13	0.44
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	7	0.44
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	16	0.44
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	17	0.44
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	17	0.44
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	17	0.44
(1,18)	1:4:A:ARG:HA	1:4:A:ARG:HG2	2	0.44
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG21	16	0.43
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG22	16	0.43
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG23	16	0.43
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	11	0.43
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	17	0.43
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	15	0.43
(1,1369)	1:73:A:LYS:H	1:73:A:LYS:HB3	8	0.43
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	11	0.43
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	15	0.43
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	15	0.43
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	15	0.43
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	15	0.43
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	15	0.43
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	15	0.43
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	15	0.43
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	15	0.43
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	15	0.43
(1,1301)	1:70:A:ILE:HD11	1:70:A:ILE:HB	2	0.43
(1,1301)	1:70:A:ILE:HD12	1:70:A:ILE:HB	2	0.43
(1,1301)	1:70:A:ILE:HD13	1:70:A:ILE:HB	2	0.43
(1,1301)	1:70:A:ILE:HD11	1:70:A:ILE:HB	11	0.43
(1,1301)	1:70:A:ILE:HD12	1:70:A:ILE:HB	11	0.43
(1,1301)	1:70:A:ILE:HD13	1:70:A:ILE:HB	11	0.43
(1,1301)	1:70:A:ILE:HD11	1:70:A:ILE:HB	15	0.43
(1,1301)	1:70:A:ILE:HD12	1:70:A:ILE:HB	15	0.43
(1,1301)	1:70:A:ILE:HD13	1:70:A:ILE:HB	15	0.43
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	5	0.43
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	13	0.43
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	13	0.43
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	13	0.43
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	13	0.43
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	13	0.43
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	13	0.43
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	11	0.43
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	13	0.43
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	4	0.43
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	6	0.43
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	10	0.43
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	12	0.43
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	18	0.43
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	15	0.43
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	15	0.43
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	12	0.43
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	5	0.43
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	5	0.43
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	5	0.43
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	5	0.43
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	5	0.43
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	5	0.43
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	18	0.43
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	18	0.43
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	18	0.43
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD1	6	0.43
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD2	6	0.43
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD1	12	0.43
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD2	12	0.43
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	9	0.43
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	18	0.43
(1,783)	1:44:A:VAL:H	1:43:A:LYS:HG2	17	0.43
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	19	0.43
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	19	0.43
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	16	0.43
(1,754)	1:43:A:LYS:H	1:43:A:LYS:HB3	10	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	1	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	1	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	1	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	8	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	8	0.43
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	8	0.43
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	14	0.43
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	14	0.43
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	14	0.43
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	12	0.43
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	13	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	3	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	3	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	3	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	3	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	3	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	6	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	6	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	6	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	6	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	6	0.43
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	6	0.43
(1,652)	1:36:A:VAL:HG11	1:37:A:ARG:HG2	14	0.43
(1,652)	1:36:A:VAL:HG12	1:37:A:ARG:HG2	14	0.43
(1,652)	1:36:A:VAL:HG13	1:37:A:ARG:HG2	14	0.43
(1,652)	1:36:A:VAL:HG21	1:37:A:ARG:HG2	14	0.43
(1,652)	1:36:A:VAL:HG22	1:37:A:ARG:HG2	14	0.43
(1,652)	1:36:A:VAL:HG23	1:37:A:ARG:HG2	14	0.43
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	8	0.43
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	8	0.43
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	8	0.43
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	7	0.43
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	9	0.43
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	5	0.43
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	5	0.43
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	5	0.43
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	1	0.43
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	1	0.43
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	1	0.43
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	3	0.43
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	3	0.43
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	3	0.43
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	3	0.43
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	3	0.43
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	3	0.43
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	10	0.43
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	9	0.43
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	19	0.43
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	17	0.43
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	17	0.43
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	17	0.43
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	9	0.43
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	9	0.43
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	9	0.43
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	17	0.43
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	17	0.43
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	11	0.43
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	11	0.43
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	2	0.43
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	16	0.43
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	16	0.43
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	17	0.43
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	17	0.43
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	12	0.43
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	16	0.43
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	4	0.43
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	11	0.43
(1,18)	1:4:A:ARG:HA	1:4:A:ARG:HG2	7	0.43
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	14	0.42
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	20	0.42
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	20	0.42
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	20	0.42
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	17	0.42
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	6	0.42
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	19	0.42
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	14	0.42
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	14	0.42
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	14	0.42
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	17	0.42
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	17	0.42
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	17	0.42
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	12	0.42
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	15	0.42
(1,1065)	1:60:A:LEU:H	1:59:A:PRO:HB3	11	0.42
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	3	0.42
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	8	0.42
(1,963)	1:52:A:GLY:H	1:51:A:SER:HG	18	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	4	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	4	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	4	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	4	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	4	0.42
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	4	0.42
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	16	0.42
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	4	0.42
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG21	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG22	9	0.42
(1,802)	1:44:A:VAL:HG21	1:46:A:VAL:HG23	9	0.42
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG21	9	0.42
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG22	9	0.42
(1,802)	1:44:A:VAL:HG22	1:46:A:VAL:HG23	9	0.42
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG21	9	0.42
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG22	9	0.42
(1,802)	1:44:A:VAL:HG23	1:46:A:VAL:HG23	9	0.42
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	12	0.42
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	11	0.42
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	9	0.42
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	9	0.42
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	1	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG11	8	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG12	8	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG13	8	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG21	8	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG22	8	0.42
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG23	8	0.42
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD21	1	0.42
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD22	1	0.42
(1,720)	1:41:A:PRO:HA	1:62:A:LEU:HD23	1	0.42
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	10	0.42
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	10	0.42
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	10	0.42
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	13	0.42
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	13	0.42
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	13	0.42
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	8	0.42
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	4	0.42
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	10	0.42
(1,662)	1:37:A:ARG:H	1:36:A:VAL:HA	11	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	16	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	17	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	17	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	17	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	17	0.42
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	17	0.42
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	8	0.42
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	12	0.42
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	12	0.42
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	12	0.42
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	5	0.42
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG2	14	0.42
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG3	14	0.42
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	20	0.42
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	20	0.42
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	11	0.42
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	12	0.42
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	17	0.42
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	14	0.42
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	10	0.42
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	10	0.42
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	10	0.42
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	10	0.42
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	10	0.42
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	10	0.42
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	1	0.42
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	10	0.42
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	2	0.42
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	2	0.42
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	3	0.42
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	3	0.42
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	3	0.42
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	15	0.42
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	15	0.42
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	15	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	7	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	11	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	11	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	11	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	11	0.42
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	11	0.42
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	8	0.42
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	1	0.42
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	1	0.42
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	1	0.42
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	1	0.42
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	1	0.42
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	1	0.42
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	10	0.42
(1,262)	1:17:A:VAL:HG11	1:5:A:THR:HA	18	0.42
(1,262)	1:17:A:VAL:HG12	1:5:A:THR:HA	18	0.42
(1,262)	1:17:A:VAL:HG13	1:5:A:THR:HA	18	0.42
(1,262)	1:17:A:VAL:HG21	1:5:A:THR:HA	18	0.42
(1,262)	1:17:A:VAL:HG22	1:5:A:THR:HA	18	0.42
(1,262)	1:17:A:VAL:HG23	1:5:A:THR:HA	18	0.42
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	20	0.42
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	20	0.42
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	20	0.42
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	11	0.42
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	11	0.42
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	18	0.42
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	20	0.42
(1,45)	1:5:A:THR:H	1:3:A:ASP:HB3	12	0.42
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	11	0.42
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	12	0.42
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	9	0.42
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	9	0.42
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	9	0.42
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	4	0.41
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	6	0.41
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	1	0.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	4	0.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	4	0.41
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	4	0.41
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	7	0.41
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	7	0.41
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	7	0.41
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	7	0.41
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	7	0.41
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	7	0.41
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	7	0.41
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	7	0.41
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	6	0.41
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	7	0.41
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	7	0.41
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	4	0.41
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	4	0.41
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	4	0.41
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	3	0.41
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	19	0.41
(1,1069)	1:60:A:LEU:H	1:59:A:PRO:HD2	11	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	6	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	6	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	6	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	6	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	6	0.41
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	6	0.41
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	10	0.41
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	10	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	8	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	8	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	8	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	8	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	8	0.41
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	8	0.41
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	3	0.41
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	15	0.41
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	15	0.41
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	20	0.41
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	20	0.41
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	19	0.41
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	20	0.41
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	20	0.41
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	20	0.41
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	1	0.41
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	17	0.41
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	17	0.41
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	18	0.41
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	7	0.41
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	7	0.41
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	7	0.41
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	7	0.41
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	7	0.41
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	2	0.41
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	20	0.41
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	20	0.41
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	19	0.41
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	19	0.41
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	19	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	3	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	3	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	3	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	8	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	8	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	8	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	12	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	12	0.41
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	12	0.41
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	14	0.41
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	14	0.41
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	14	0.41
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	14	0.41
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	14	0.41
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	14	0.41
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	18	0.41
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	18	0.41
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	18	0.41
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	14	0.41
(1,311)	1:20:A:VAL:H	1:5:A:THR:H	16	0.41
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	19	0.41
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	19	0.41
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	19	0.41
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	12	0.41
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	15	0.41
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	12	0.41
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	12	0.41
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	12	0.41
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	4	0.41
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	2	0.41
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	2	0.41
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	14	0.41
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	14	0.41
(1,193)	1:14:A:GLN:H	1:14:A:GLN:HB3	17	0.41
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	18	0.41
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	18	0.41
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	18	0.41
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	19	0.41
(1,1524)	1:4:A:ARG:H	1:4:A:ARG:HG2	19	0.4
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	8	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	3	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD11	6	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD12	6	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD13	6	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD21	6	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD22	6	0.4
(1,1365)	1:73:A:LYS:H	1:74:A:LEU:HD23	6	0.4
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	19	0.4
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	19	0.4
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	19	0.4
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	19	0.4
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	19	0.4
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	19	0.4
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD21	8	0.4
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD22	8	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	3	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	3	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	3	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	3	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	3	0.4
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	3	0.4
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	18	0.4
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	4	0.4
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	4	0.4
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	15	0.4
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	9	0.4
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	10	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD11	3	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD12	3	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD13	3	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD21	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD22	3	0.4
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD23	3	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	1	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	2	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	4	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	6	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	8	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	9	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	11	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	13	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	15	0.4
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	16	0.4
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	6	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	3	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	3	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	3	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	3	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	3	0.4
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	3	0.4
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	5	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	1	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	11	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	11	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	11	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	11	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	11	0.4
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	11	0.4
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	5	0.4
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	5	0.4
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	5	0.4
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	5	0.4
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	5	0.4
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	6	0.4
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	18	0.4
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	18	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	1	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	2	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	2	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	3	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	3	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	4	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	4	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	7	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	7	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	10	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	10	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	11	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	11	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	13	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	13	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	14	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	14	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	16	0.4
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	16	0.4
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	5	0.4
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	10	0.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	13	0.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	13	0.4
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	13	0.4
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	19	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG11	14	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG12	14	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG13	14	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG21	14	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG22	14	0.4
(1,656)	1:37:A:ARG:H	1:36:A:VAL:HG23	14	0.4
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	19	0.4
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	14	0.4
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	14	0.4
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	14	0.4
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	4	0.4
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	8	0.4
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	4	0.4
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	5	0.4
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	5	0.4
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	5	0.4
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	5	0.4
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	5	0.4
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	14	0.4
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	20	0.4
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	13	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	11	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	11	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	11	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	18	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	18	0.4
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	18	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	14	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	14	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	14	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	20	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	20	0.4
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	20	0.4
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	16	0.4
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	16	0.4
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	16	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	10	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	18	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	18	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	18	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	18	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	18	0.4
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	18	0.4
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	2	0.4
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	10	0.4
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	10	0.4
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	10	0.4
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	5	0.4
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	7	0.4
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	13	0.4
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	5	0.4
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	5	0.4
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	4	0.4
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	19	0.4
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	8	0.4
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG21	14	0.4
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG22	14	0.4
(1,20)	1:4:A:ARG:HA	1:70:A:ILE:HG23	14	0.4
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	5	0.4
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	5	0.4
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	5	0.4
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	4	0.39
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	10	0.39
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	3	0.39
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	4	0.39
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	4	0.39
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	4	0.39
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	4	0.39
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	13	0.39
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	17	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	2	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	2	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	2	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	2	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	2	0.39
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	2	0.39
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD1	3	0.39
(1,1047)	1:59:A:PRO:HA	1:47:A:TYR:HD2	3	0.39
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	18	0.39
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	13	0.39
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	13	0.39
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	18	0.39
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	18	0.39
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	18	0.39
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	18	0.39
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	18	0.39
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	18	0.39
(1,988)	1:55:A:GLY:H	1:54:A:ASP:HA	20	0.39
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	7	0.39
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	7	0.39
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	7	0.39
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	6	0.39
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	6	0.39
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	6	0.39
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	6	0.39
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	6	0.39
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	6	0.39
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	17	0.39
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	13	0.39
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	12	0.39
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	12	0.39
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	17	0.39
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	17	0.39
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	15	0.39
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	15	0.39
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	15	0.39
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	12	0.39
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	12	0.39
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	12	0.39
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	10	0.39
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	10	0.39
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	10	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	15	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	15	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	15	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	15	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	15	0.39
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	15	0.39
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	11	0.39
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	11	0.39
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	5	0.39
(1,449)	1:27:A:LYS:H	1:26:A:LEU:HB3	5	0.39
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	4	0.39
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	4	0.39
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	4	0.39
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	4	0.39
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	4	0.39
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	4	0.39
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	13	0.39
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB2	12	0.39
(1,426)	1:26:A:LEU:H	1:63:A:ASN:HB3	12	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	7	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	7	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	7	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	16	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	16	0.39
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	16	0.39
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	12	0.39
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	12	0.39
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	12	0.39
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	2	0.39
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	2	0.39
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	2	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	6	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	6	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	6	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	6	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	6	0.39
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	6	0.39
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	5	0.39
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	5	0.39
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	5	0.39
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	5	0.39
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	5	0.39
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	5	0.39
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	14	0.39
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	6	0.39
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	11	0.39
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	11	0.39
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	11	0.39
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	5	0.39
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:19:A:ASN:H	1:18:A:ILE:HG12	9	0.39
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	11	0.39
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	11	0.39
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	19	0.39
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	19	0.39
(1,43)	1:5:A:THR:H	1:5:A:THR:HB	12	0.39
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	6	0.39
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	6	0.39
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	6	0.39
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	10	0.39
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	10	0.39
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	10	0.39
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	3	0.38
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	5	0.38
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	5	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	4	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	4	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	4	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	4	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	4	0.38
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	4	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	13	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	13	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	13	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	13	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	13	0.38
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	13	0.38
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	12	0.38
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	12	0.38
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	20	0.38
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB1	14	0.38
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB2	14	0.38
(1,1302)	1:70:A:ILE:HD11	1:66:A:ALA:HB3	14	0.38
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB1	14	0.38
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB2	14	0.38
(1,1302)	1:70:A:ILE:HD12	1:66:A:ALA:HB3	14	0.38
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB1	14	0.38
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB2	14	0.38
(1,1302)	1:70:A:ILE:HD13	1:66:A:ALA:HB3	14	0.38
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	20	0.38
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	20	0.38
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	20	0.38
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	20	0.38
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	20	0.38
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	20	0.38
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	20	0.38
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	20	0.38
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	7	0.38
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	11	0.38
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	14	0.38
(1,1266)	1:69:A:LEU:H	1:68:A:ARG:HA	16	0.38
(1,1233)	1:68:A:ARG:H	1:68:A:ARG:HB3	18	0.38
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	1	0.38
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	16	0.38
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	16	0.38
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	16	0.38
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	8	0.38
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	10	0.38
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	10	0.38
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	16	0.38
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	16	0.38
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	18	0.38
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	18	0.38
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	16	0.38
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	11	0.38
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	11	0.38
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	11	0.38
(1,855)	1:47:A:TYR:H	1:46:A:VAL:HB	2	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	19	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	19	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	19	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	19	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	19	0.38
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	19	0.38
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	4	0.38
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	5	0.38
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	5	0.38
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	9	0.38
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	9	0.38
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	19	0.38
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG21	17	0.38
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG22	17	0.38
(1,685)	1:39:A:ILE:H	1:39:A:ILE:HG23	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD11	15	0.38
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD12	15	0.38
(1,684)	1:39:A:ILE:H	1:39:A:ILE:HD13	15	0.38
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	3	0.38
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	2	0.38
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	2	0.38
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	2	0.38
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	2	0.38
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	2	0.38
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	2	0.38
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	2	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	19	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	19	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	19	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	19	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	19	0.38
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	19	0.38
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	19	0.38
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	19	0.38
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	18	0.38
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	17	0.38
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	20	0.38
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	1	0.38
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	1	0.38
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	1	0.38
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	17	0.38
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	17	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	19	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	19	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	19	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	19	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	19	0.38
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	19	0.38
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	15	0.38
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	15	0.38
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	15	0.38
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	15	0.38
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	15	0.38
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	15	0.38
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	17	0.38
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	3	0.38
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	16	0.38
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	16	0.38
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	16	0.38
(1,258)	1:17:A:VAL:HG11	1:7:A:GLU:HG2	19	0.38
(1,258)	1:17:A:VAL:HG12	1:7:A:GLU:HG2	19	0.38
(1,258)	1:17:A:VAL:HG13	1:7:A:GLU:HG2	19	0.38
(1,258)	1:17:A:VAL:HG21	1:7:A:GLU:HG2	19	0.38
(1,258)	1:17:A:VAL:HG22	1:7:A:GLU:HG2	19	0.38
(1,258)	1:17:A:VAL:HG23	1:7:A:GLU:HG2	19	0.38
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	3	0.38
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG22	20	0.38
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG23	20	0.38
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG22	20	0.38
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG23	20	0.38
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG22	20	0.38
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG23	20	0.38
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG22	20	0.38
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG23	20	0.38
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG22	20	0.38
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG23	20	0.38
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG21	20	0.38
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG22	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG23	20	0.38
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	13	0.38
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	20	0.38
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	15	0.37
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	15	0.37
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	15	0.37
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	20	0.37
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	20	0.37
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	2	0.37
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	7	0.37
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	8	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	17	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	17	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	17	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	17	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	17	0.37
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	17	0.37
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	2	0.37
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	16	0.37
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	16	0.37
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	5	0.37
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	19	0.37
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	19	0.37
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	19	0.37
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	10	0.37
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	10	0.37
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	10	0.37
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	17	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	2	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	2	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	2	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	11	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	11	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	11	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	13	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	13	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	13	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	14	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	14	0.37
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	14	0.37
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD21	4	0.37
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD22	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	14	0.37
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	14	0.37
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	1	0.37
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	8	0.37
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	4	0.37
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	2	0.37
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	20	0.37
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	18	0.37
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	18	0.37
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	18	0.37
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	7	0.37
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	17	0.37
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	17	0.37
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	17	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	3	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	3	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	3	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	3	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	3	0.37
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	3	0.37
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	6	0.37
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	11	0.37
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	15	0.37
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	20	0.37
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	2	0.37
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	6	0.37
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	6	0.37
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	10	0.37
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	20	0.37
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	11	0.37
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	3	0.37
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	3	0.37
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	3	0.37
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	3	0.37
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	3	0.37
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	3	0.37
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	5	0.37
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	7	0.37
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	4	0.37
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	4	0.37
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	4	0.37
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	7	0.37
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	7	0.37
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	19	0.37
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	19	0.37
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	19	0.37
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	19	0.37
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	19	0.37
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	19	0.37
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	15	0.37
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	20	0.37
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	18	0.37
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	18	0.37
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	18	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	5	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	5	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	5	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	5	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	5	0.37
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	5	0.37
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	13	0.37
(1,47)	1:5:A:THR:H	1:4:A:ARG:HG2	7	0.37
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	16	0.37
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	15	0.37
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	15	0.37
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	15	0.37
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	1	0.36
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	2	0.36
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	12	0.36
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	2	0.36
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	2	0.36
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	2	0.36
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD11	7	0.36
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD12	7	0.36
(1,1366)	1:73:A:LYS:H	1:48:A:LEU:HD13	7	0.36
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	3	0.36
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	3	0.36
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	3	0.36
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	3	0.36
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	3	0.36
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	3	0.36
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	3	0.36
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	3	0.36
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	3	0.36
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	12	0.36
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	12	0.36
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	12	0.36
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	3	0.36
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	3	0.36
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	3	0.36
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	20	0.36
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	12	0.36
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	7	0.36
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	7	0.36
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	7	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	20	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	20	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	20	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	20	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	20	0.36
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	20	0.36
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE21	2	0.36
(1,1074)	1:60:A:LEU:H	1:58:A:GLN:HE22	2	0.36
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	14	0.36
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	11	0.36
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	13	0.36
(1,971)	1:53:A:ASP:H	1:51:A:SER:HG	5	0.36
(1,953)	1:51:A:SER:H	1:50:A:LEU:HB3	7	0.36
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	7	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	9	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	9	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	9	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	9	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	9	0.36
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	9	0.36
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	8	0.36
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	8	0.36
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	14	0.36
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	14	0.36
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	6	0.36
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	14	0.36
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	14	0.36
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	2	0.36
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	5	0.36
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	5	0.36
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	5	0.36
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	18	0.36
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	2	0.36
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	16	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	2	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	3	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	6	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	7	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	8	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	9	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	11	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	12	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	15	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	16	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	17	0.36
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	19	0.36
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	15	0.36
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	16	0.36
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	16	0.36
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	16	0.36
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	16	0.36
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	16	0.36
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	16	0.36
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	6	0.36
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	9	0.36
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	11	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	8	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	8	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	8	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	9	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	9	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	9	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	15	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	15	0.36
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	15	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	1	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	1	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	1	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	1	0.36
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	1	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	8	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	8	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	8	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	0.36
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	0.36
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	2	0.36
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	6	0.36
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	4	0.36
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	4	0.36
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	4	0.36
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	4	0.36
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	4	0.36
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	4	0.36
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	7	0.36
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	7	0.36
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	7	0.36
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	2	0.36
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	15	0.36
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	19	0.36
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	19	0.36
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD11	18	0.36
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD12	18	0.36
(1,271)	1:18:A:ILE:H	1:18:A:ILE:HD13	18	0.36
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	12	0.36
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	12	0.36
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	12	0.36
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	3	0.36
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	13	0.36
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	14	0.36
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	19	0.36
(1,57)	1:5:A:THR:HG21	1:3:A:ASP:HB2	7	0.36
(1,57)	1:5:A:THR:HG22	1:3:A:ASP:HB2	7	0.36
(1,57)	1:5:A:THR:HG23	1:3:A:ASP:HB2	7	0.36
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	2	0.36
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	2	0.36
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	2	0.36
(1,18)	1:4:A:ARG:HA	1:4:A:ARG:HG2	15	0.36
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	19	0.35
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	19	0.35
(1,1322)	1:71:A:GLY:H	1:5:A:THR:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	12	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG21	1	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG22	1	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG23	1	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG21	1	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG22	1	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG23	1	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG21	1	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG22	1	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG23	1	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG21	6	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG22	6	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG23	6	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG21	6	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG22	6	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG23	6	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG21	6	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG22	6	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG23	6	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG21	18	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG22	18	0.35
(1,1303)	1:70:A:ILE:HD11	1:70:A:ILE:HG23	18	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG21	18	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG22	18	0.35
(1,1303)	1:70:A:ILE:HD12	1:70:A:ILE:HG23	18	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG21	18	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG22	18	0.35
(1,1303)	1:70:A:ILE:HD13	1:70:A:ILE:HG23	18	0.35
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	8	0.35
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	8	0.35
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	8	0.35
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	20	0.35
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	20	0.35
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	20	0.35
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	7	0.35
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	2	0.35
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	2	0.35
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	5	0.35
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	5	0.35
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	5	0.35
(1,1087)	1:61:A:SER:H	1:61:A:SER:HB3	20	0.35
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	20	0.35
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	2	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD11	9	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD12	9	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD13	9	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD21	9	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD22	9	0.35
(1,1061)	1:60:A:LEU:H	1:60:A:LEU:HD23	9	0.35
(1,1048)	1:59:A:PRO:HA	1:47:A:TYR:HA	5	0.35
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	1	0.35
(1,1008)	1:57:A:GLU:H	1:56:A:ALA:HA	19	0.35
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	20	0.35
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	11	0.35
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	11	0.35
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	11	0.35
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	5	0.35
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	5	0.35
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	5	0.35
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	7	0.35
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	4	0.35
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	17	0.35
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	1	0.35
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	17	0.35
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	16	0.35
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	16	0.35
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	16	0.35
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	1	0.35
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	1	0.35
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	1	0.35
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	1	0.35
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	1	0.35
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	1	0.35
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	1	0.35
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG21	7	0.35
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG22	7	0.35
(1,590)	1:33:A:ALA:HB1	1:16:A:THR:HG23	7	0.35
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG21	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG22	7	0.35
(1,590)	1:33:A:ALA:HB2	1:16:A:THR:HG23	7	0.35
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG21	7	0.35
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG22	7	0.35
(1,590)	1:33:A:ALA:HB3	1:16:A:THR:HG23	7	0.35
(1,567)	1:32:A:LYS:H	1:31:A:LYS:HG3	12	0.35
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	15	0.35
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	15	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	1	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	4	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	5	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	10	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	13	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	14	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	18	0.35
(1,505)	1:29:A:ALA:H	1:28:A:GLU:HA	20	0.35
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	10	0.35
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	13	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	4	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	8	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	15	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	16	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	18	0.35
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	19	0.35
(1,425)	1:26:A:LEU:H	1:26:A:LEU:HB2	2	0.35
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB1	5	0.35
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB2	5	0.35
(1,422)	1:26:A:LEU:H	1:66:A:ALA:HB3	5	0.35
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	13	0.35
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	13	0.35
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	13	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	9	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	15	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	15	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	15	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	15	0.35
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	15	0.35
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	18	0.35
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	18	0.35
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	18	0.35
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	18	0.35
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	18	0.35
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	18	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	16	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	16	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	16	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	16	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	16	0.35
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	16	0.35
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	17	0.35
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	17	0.35
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	17	0.35
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	3	0.35
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	6	0.35
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	2	0.35
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	8	0.35
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	11	0.35
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	18	0.35
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	18	0.35
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	8	0.35
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	15	0.35
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	10	0.35
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	10	0.35
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	12	0.35
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	15	0.35
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	9	0.35
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG11	1:16:A:THR:HG23	15	0.35
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG12	1:16:A:THR:HG23	15	0.35
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG13	1:16:A:THR:HG23	15	0.35
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG21	1:16:A:THR:HG23	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG22	1:16:A:THR:HG23	15	0.35
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG21	15	0.35
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG22	15	0.35
(1,127)	1:8:A:VAL:HG23	1:16:A:THR:HG23	15	0.35
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	5	0.35
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	11	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	4	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	4	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	4	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	16	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	16	0.35
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	16	0.35
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	4	0.35
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	4	0.35
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	4	0.35
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	8	0.34
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	8	0.34
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	8	0.34
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	20	0.34
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	2	0.34
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	9	0.34
(1,1438)	1:76:A:VAL:H	1:75:A:LYS:HG3	4	0.34
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	7	0.34
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	13	0.34
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	13	0.34
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	2	0.34
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	14	0.34
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	9	0.34
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	8	0.34
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	1	0.34
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	3	0.34
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	3	0.34
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	3	0.34
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	11	0.34
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	11	0.34
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	11	0.34
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	13	0.34
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	17	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	3	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	8	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	8	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	12	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	12	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	13	0.34
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	13	0.34
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	18	0.34
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	4	0.34
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	15	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	7	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	7	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	7	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	7	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	7	0.34
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	7	0.34
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	7	0.34
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	7	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	4	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	4	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	4	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	4	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	4	0.34
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	4	0.34
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	18	0.34
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	18	0.34
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	13	0.34
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	5	0.34
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	20	0.34
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	18	0.34
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	18	0.34
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	18	0.34
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	18	0.34
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	18	0.34
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	18	0.34
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	18	0.34
(1,543)	1:31:A:LYS:H	1:30:A:LEU:HB3	3	0.34
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	5	0.34
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	3	0.34
(1,427)	1:26:A:LEU:H	1:27:A:LYS:HA	12	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	9	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	9	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	9	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	18	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	18	0.34
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	18	0.34
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	1	0.34
(1,406)	1:24:A:LEU:HD11	1:24:A:LEU:HA	11	0.34
(1,406)	1:24:A:LEU:HD12	1:24:A:LEU:HA	11	0.34
(1,406)	1:24:A:LEU:HD13	1:24:A:LEU:HA	11	0.34
(1,406)	1:24:A:LEU:HD21	1:24:A:LEU:HA	11	0.34
(1,406)	1:24:A:LEU:HD22	1:24:A:LEU:HA	11	0.34
(1,406)	1:24:A:LEU:HD23	1:24:A:LEU:HA	11	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	4	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	12	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	12	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	12	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.34
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.34
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	3	0.34
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	8	0.34
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	6	0.34
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	6	0.34
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	6	0.34
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	5	0.34
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	5	0.34
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	11	0.34
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	20	0.34
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	19	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	8	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	8	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	8	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	8	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	8	0.33
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	8	0.33
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	2	0.33
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	16	0.33
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	11	0.33
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	6	0.33
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	3	0.33
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	3	0.33
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	3	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	2	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	2	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	2	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	16	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	16	0.33
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	16	0.33
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	15	0.33
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	1	0.33
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	1	0.33
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	8	0.33
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	8	0.33
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	3	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	9	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	9	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	9	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	9	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	9	0.33
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	9	0.33
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	9	0.33
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	9	0.33
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	9	0.33
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	12	0.33
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	12	0.33
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	12	0.33
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	14	0.33
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	14	0.33
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	3	0.33
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	3	0.33
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	8	0.33
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	8	0.33
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	8	0.33
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	3	0.33
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	3	0.33
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	3	0.33
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	19	0.33
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	19	0.33
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	3	0.33
(1,916)	1:49:A:LEU:H	1:74:A:LEU:HA	5	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	1	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	1	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	1	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	1	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	1	0.33
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	1	0.33
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	3	0.33
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	8	0.33
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	13	0.33
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	4	0.33
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	6	0.33
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	11	0.33
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	15	0.33
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	6	0.33
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	6	0.33
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	11	0.33
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	11	0.33
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	6	0.33
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	3	0.33
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	3	0.33
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	3	0.33
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	11	0.33
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	11	0.33
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	11	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	3	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	3	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	3	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	0.33
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	20	0.33
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	20	0.33
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	20	0.33
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	13	0.33
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	13	0.33
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	13	0.33
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	18	0.33
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	4	0.33
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	4	0.33
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	16	0.33
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	16	0.33
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	16	0.33
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	16	0.33
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	16	0.33
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	14	0.33
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	20	0.33
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	20	0.33
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	8	0.33
(1,111)	1:7:A:GLU:HG2	1:73:A:LYS:HA	5	0.33
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	1	0.33
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	17	0.33
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	15	0.33
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	15	0.33
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	15	0.33
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	11	0.33
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	11	0.33
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	11	0.33
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	9	0.32
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	4	0.32
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	11	0.32
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	14	0.32
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	16	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	5	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	5	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	5	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	5	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	5	0.32
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	5	0.32
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	12	0.32
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	12	0.32
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG2	7	0.32
(1,1367)	1:73:A:LYS:H	1:72:A:LYS:HG3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	11	0.32
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	11	0.32
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	11	0.32
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	6	0.32
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	6	0.32
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	6	0.32
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	5	0.32
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD11	6	0.32
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD12	6	0.32
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD13	6	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	19	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	19	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	19	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	19	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	19	0.32
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	19	0.32
(1,1125)	1:63:A:ASN:H	1:63:A:ASN:HB3	19	0.32
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	19	0.32
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	17	0.32
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	17	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	9	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	9	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	9	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	9	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	9	0.32
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	9	0.32
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	17	0.32
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	12	0.32
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	12	0.32
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	12	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD11	20	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD12	20	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD13	20	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD21	20	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD22	20	0.32
(1,933)	1:50:A:LEU:H	1:50:A:LEU:HD23	20	0.32
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD11	20	0.32
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD12	20	0.32
(1,910)	1:49:A:LEU:H	1:48:A:LEU:HD13	20	0.32
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	10	0.32
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	10	0.32
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	10	0.32
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	7	0.32
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	7	0.32
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	17	0.32
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	16	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	19	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	19	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	19	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	20	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	20	0.32
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	20	0.32
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	16	0.32
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	20	0.32
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	11	0.32
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	11	0.32
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	11	0.32
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	1	0.32
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	1	0.32
(1,387)	1:24:A:LEU:H	1:23:A:GLY:HA2	13	0.32
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	8	0.32
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	15	0.32
(1,357)	1:22:A:PRO:HD2	1:4:A:ARG:HG2	14	0.32
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB1	1	0.32
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB2	1	0.32
(1,336)	1:21:A:ARG:H	1:66:A:ALA:HB3	1	0.32
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	20	0.32
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	20	0.32
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	20	0.32
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	20	0.32
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	7	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	3	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	3	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	3	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	13	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	13	0.32
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	13	0.32
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	11	0.32
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	12	0.32
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	17	0.32
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	1	0.32
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	1	0.32
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:4:A:ARG:H	1:5:A:THR:H	7	0.32
(1,1491)	1:79:A:LEU:H	1:78:A:PRO:HG2	9	0.31
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	7	0.31
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	7	0.31
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	1	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD11	17	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD12	17	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD13	17	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD21	17	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD22	17	0.31
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD23	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD11	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD12	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD13	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD21	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD22	17	0.31
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD23	17	0.31
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	15	0.31
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	15	0.31
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	15	0.31
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	17	0.31
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	1	0.31
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	14	0.31
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	17	0.31
(1,1293)	1:70:A:ILE:HA	1:6:A:ILE:HB	12	0.31
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	8	0.31
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	16	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	4	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	4	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	4	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	7	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	7	0.31
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	7	0.31
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	15	0.31
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	15	0.31
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	15	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	10	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	10	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	10	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	10	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	10	0.31
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	8	0.31
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	16	0.31
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD21	3	0.31
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD22	3	0.31
(1,908)	1:48:A:LEU:HG	1:74:A:LEU:HD23	3	0.31
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	12	0.31
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	4	0.31
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	19	0.31
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	1	0.31
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	12	0.31
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	17	0.31
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	19	0.31
(1,755)	1:43:A:LYS:H	1:44:A:VAL:HB	5	0.31
(1,704)	1:40:A:ASP:H	1:43:A:LYS:HB3	5	0.31
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	3	0.31
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	5	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	13	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	13	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	13	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	13	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	13	0.31
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	13	0.31
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	9	0.31
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	17	0.31
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	17	0.31
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	18	0.31
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	18	0.31
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	18	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	13	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	13	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	13	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	13	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	13	0.31
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	13	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	14	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	14	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	14	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	14	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	14	0.31
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	14	0.31
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	16	0.31
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	16	0.31
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	16	0.31
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	16	0.31
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	16	0.31
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	6	0.31
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	20	0.31
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	6	0.31
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	15	0.31
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	15	0.31
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	5	0.31
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	9	0.31
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	4	0.31
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	14	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	1	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	1	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	1	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	11	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	11	0.31
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	11	0.31
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	13	0.3
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	13	0.3
(1,1407)	1:74:A:LEU:HD11	1:48:A:LEU:HA	3	0.3
(1,1407)	1:74:A:LEU:HD12	1:48:A:LEU:HA	3	0.3
(1,1407)	1:74:A:LEU:HD13	1:48:A:LEU:HA	3	0.3
(1,1407)	1:74:A:LEU:HD21	1:48:A:LEU:HA	3	0.3
(1,1407)	1:74:A:LEU:HD22	1:48:A:LEU:HA	3	0.3
(1,1407)	1:74:A:LEU:HD23	1:48:A:LEU:HA	3	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	19	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	19	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	19	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	19	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	19	0.3
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	19	0.3
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	3	0.3
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	13	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	5	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	5	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	5	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	11	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	11	0.3
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	11	0.3
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	15	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	6	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	6	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	6	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	18	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	18	0.3
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	18	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	3	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	3	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	3	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	5	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	5	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	5	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	19	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	19	0.3
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	19	0.3
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	14	0.3
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB2	2	0.3
(1,1082)	1:61:A:SER:H	1:60:A:LEU:HB3	2	0.3
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	6	0.3
(1,968)	1:53:A:ASP:H	1:53:A:ASP:HB2	12	0.3
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	13	0.3
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	13	0.3
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	13	0.3
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	15	0.3
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE21	6	0.3
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE22	6	0.3
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	17	0.3
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	17	0.3
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	1	0.3
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	10	0.3
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	1	0.3
(1,756)	1:43:A:LYS:H	1:43:A:LYS:HB2	19	0.3
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	13	0.3
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	13	0.3
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	2	0.3
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	2	0.3
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	20	0.3
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	20	0.3
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	20	0.3
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG11	10	0.3
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG12	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG13	10	0.3
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG21	10	0.3
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG22	10	0.3
(1,577)	1:33:A:ALA:H	1:36:A:VAL:HG23	10	0.3
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	14	0.3
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	14	0.3
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	7	0.3
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	2	0.3
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	18	0.3
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	18	0.3
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	18	0.3
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	9	0.3
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	13	0.3
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	18	0.3
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	18	0.3
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	15	0.3
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	15	0.3
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	15	0.3
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	3	0.3
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	3	0.3
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	4	0.3
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	4	0.3
(1,120)	1:8:A:VAL:H	1:8:A:VAL:HB	19	0.3
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	4	0.3
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	4	0.3
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	4	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	11	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	11	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	11	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG21	17	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG22	17	0.3
(1,48)	1:5:A:THR:H	1:5:A:THR:HG23	17	0.3
(1,44)	1:5:A:THR:H	1:19:A:ASN:HB2	7	0.3
(1,44)	1:5:A:THR:H	1:19:A:ASN:HB3	7	0.3
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	16	0.29
(1,1342)	1:72:A:LYS:HA	1:72:A:LYS:HD2	10	0.29
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	5	0.29
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	5	0.29
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG21	7	0.29
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG22	7	0.29
(1,1314)	1:71:A:GLY:H	1:70:A:ILE:HG23	7	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	12	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	12	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	14	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	14	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	14	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	17	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	17	0.29
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	17	0.29
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD11	16	0.29
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD12	16	0.29
(1,1204)	1:67:A:GLU:H	1:70:A:ILE:HD13	16	0.29
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	3	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	4	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	4	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	4	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	4	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	4	0.29
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	4	0.29
(1,1108)	1:62:A:LEU:H	1:61:A:SER:HB2	2	0.29
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	16	0.29
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	16	0.29
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	16	0.29
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	8	0.29
(1,1048)	1:59:A:PRO:HA	1:47:A:TYR:HA	7	0.29
(1,1012)	1:57:A:GLU:HA	1:47:A:TYR:HA	19	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD11	18	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD12	18	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD13	18	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD21	18	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD22	18	0.29
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD23	18	0.29
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	1	0.29
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	9	0.29
(1,968)	1:53:A:ASP:H	1:53:A:ASP:HB2	6	0.29
(1,947)	1:50:A:LEU:HD11	1:49:A:LEU:HB3	4	0.29
(1,947)	1:50:A:LEU:HD12	1:49:A:LEU:HB3	4	0.29
(1,947)	1:50:A:LEU:HD13	1:49:A:LEU:HB3	4	0.29
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	9	0.29
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	17	0.29
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	17	0.29
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	17	0.29
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	17	0.29
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	17	0.29
(1,916)	1:49:A:LEU:H	1:74:A:LEU:HA	19	0.29
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	13	0.29
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	5	0.29
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	8	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	17	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	17	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	17	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	17	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	17	0.29
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	17	0.29
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	10	0.29
(1,765)	1:43:A:LYS:H	1:43:A:LYS:HZ1	14	0.29
(1,765)	1:43:A:LYS:H	1:43:A:LYS:HZ2	14	0.29
(1,765)	1:43:A:LYS:H	1:43:A:LYS:HZ3	14	0.29
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	6	0.29
(1,704)	1:40:A:ASP:H	1:43:A:LYS:HB3	19	0.29
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	18	0.29
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	19	0.29
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	16	0.29
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	18	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	17	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	17	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	17	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	17	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	17	0.29
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	17	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	1	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	1	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	1	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	7	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	7	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	7	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD21	9	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD22	9	0.29
(1,576)	1:33:A:ALA:H	1:34:A:LEU:HD23	9	0.29
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	13	0.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB1	2	0.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB2	2	0.29
(1,499)	1:29:A:ALA:H	1:66:A:ALA:HB3	2	0.29
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	10	0.29
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	17	0.29
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	17	0.29
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	17	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	6	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	6	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	6	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	14	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	14	0.29
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	14	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	5	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	5	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	5	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	5	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	5	0.29
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	5	0.29
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	7	0.29
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	9	0.29
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	19	0.29
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	8	0.29
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	13	0.29
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	11	0.29
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	6	0.29
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	13	0.29
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	13	0.29
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	13	0.29
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	13	0.29
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	13	0.29
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	13	0.29
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	13	0.29
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	13	0.29
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	13	0.29
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD11	12	0.29
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD12	12	0.29
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD13	12	0.29
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	1	0.28
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	10	0.28
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	12	0.28
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	12	0.28
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	12	0.28
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	7	0.28
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	7	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	10	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	10	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	10	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	15	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	15	0.28
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	15	0.28
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	4	0.28
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	4	0.28
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	4	0.28
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	4	0.28
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	4	0.28
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	4	0.28
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	14	0.28
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	14	0.28
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	14	0.28
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	10	0.28
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	10	0.28
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	13	0.28
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	13	0.28
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	13	0.28
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	14	0.28
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	14	0.28
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	14	0.28
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	14	0.28
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	14	0.28
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	14	0.28
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	3	0.28
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	8	0.28
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	8	0.28
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	8	0.28
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	7	0.28
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	11	0.28
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	13	0.28
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	9	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG11	5	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG12	5	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG13	5	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG21	5	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG22	5	0.28
(1,853)	1:47:A:TYR:H	1:46:A:VAL:HG23	5	0.28
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	17	0.28
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	17	0.28
(1,704)	1:40:A:ASP:H	1:43:A:LYS:HB3	16	0.28
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	4	0.28
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	15	0.28
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	4	0.28
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	5	0.28
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	7	0.28
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	9	0.28
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG2	19	0.28
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG3	19	0.28
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	14	0.28
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	7	0.28
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	13	0.28
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	13	0.28
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	11	0.28
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	11	0.28
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	11	0.28
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	13	0.28
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	13	0.28
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	13	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	15	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	15	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	15	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	15	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	15	0.28
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	15	0.28
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	6	0.28
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	3	0.28
(1,333)	1:21:A:ARG:H	1:21:A:ARG:HB2	20	0.28
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	20	0.28
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	20	0.28
(1,313)	1:20:A:VAL:H	1:5:A:THR:HA	18	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	7	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	7	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	7	0.28
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	7	0.28
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	7	0.28
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	7	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	14	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	14	0.28
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	14	0.28
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	14	0.28
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	14	0.28
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	4	0.28
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	16	0.28
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB2	12	0.28
(1,212)	1:15:A:ARG:H	1:15:A:ARG:HB3	12	0.28
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	14	0.28
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	14	0.28
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	19	0.28
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	13	0.28
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	13	0.28
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	2	0.28
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	15	0.28
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	15	0.28
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	15	0.28
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG21	19	0.27
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG22	19	0.27
(1,1531)	1:4:A:ARG:HA	1:70:A:ILE:HG23	19	0.27
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	17	0.27
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	17	0.27
(1,1282)	1:70:A:ILE:H	1:72:A:LYS:HG2	20	0.27
(1,1282)	1:70:A:ILE:H	1:72:A:LYS:HG3	20	0.27
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	6	0.27
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	6	0.27
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	6	0.27
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	6	0.27
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	6	0.27
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	6	0.27
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	6	0.27
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	6	0.27
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	6	0.27
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD11	18	0.27
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD12	18	0.27
(1,1272)	1:69:A:LEU:HA	1:74:A:LEU:HD13	18	0.27
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	1	0.27
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	1	0.27
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	1	0.27
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	14	0.27
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	4	0.27
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	9	0.27
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:62:A:LEU:H	1:61:A:SER:HB2	20	0.27
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	9	0.27
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	9	0.27
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	9	0.27
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	13	0.27
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	20	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	2	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	2	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	12	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	12	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	20	0.27
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	20	0.27
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	16	0.27
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	16	0.27
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	16	0.27
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	4	0.27
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	2	0.27
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	8	0.27
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	1	0.27
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	17	0.27
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	4	0.27
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	4	0.27
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	4	0.27
(1,785)	1:44:A:VAL:H	1:44:A:VAL:HB	18	0.27
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	4	0.27
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	4	0.27
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	1	0.27
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	10	0.27
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	11	0.27
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	17	0.27
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	20	0.27
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	11	0.27
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	12	0.27
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	14	0.27
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	19	0.27
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	19	0.27
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	19	0.27
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	13	0.27
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	13	0.27
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	9	0.27
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	6	0.27
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	12	0.27
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	12	0.27
(1,479)	1:28:A:GLU:H	1:28:A:GLU:HB3	19	0.27
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	11	0.27
(1,440)	1:26:A:LEU:HD11	1:62:A:LEU:HB3	11	0.27
(1,440)	1:26:A:LEU:HD12	1:62:A:LEU:HB3	11	0.27
(1,440)	1:26:A:LEU:HD13	1:62:A:LEU:HB3	11	0.27
(1,440)	1:26:A:LEU:HD21	1:62:A:LEU:HB3	11	0.27
(1,440)	1:26:A:LEU:HD22	1:62:A:LEU:HB3	11	0.27
(1,440)	1:26:A:LEU:HD23	1:62:A:LEU:HB3	11	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	4	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	4	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	4	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	4	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	4	0.27
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	4	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	10	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	10	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	10	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	20	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	20	0.27
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	20	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	19	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	19	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	19	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	19	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	19	0.27
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	19	0.27
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	15	0.27
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	15	0.27
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	20	0.27
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	20	0.27
(1,263)	1:18:A:ILE:H	1:6:A:ILE:H	16	0.27
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	1	0.27
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	2	0.27
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	18	0.27
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	4	0.27
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	4	0.27
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	3	0.27
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	9	0.27
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	10	0.27
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	10	0.27
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	15	0.27
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	15	0.27
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	15	0.27
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG21	8	0.26
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG22	8	0.26
(1,1525)	1:4:A:ARG:H	1:5:A:THR:HG23	8	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG22	17	0.26
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG23	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG22	17	0.26
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG23	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG22	17	0.26
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG23	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG22	17	0.26
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG23	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG22	17	0.26
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG23	17	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG11	17	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG12	17	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG13	17	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG21	17	0.26
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG22	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG23	17	0.26
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	7	0.26
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	7	0.26
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	7	0.26
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	2	0.26
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	2	0.26
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	8	0.26
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	10	0.26
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	13	0.26
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	9	0.26
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	9	0.26
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	13	0.26
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	13	0.26
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	13	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	20	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	20	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	20	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	20	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	20	0.26
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	20	0.26
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	17	0.26
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	19	0.26
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	19	0.26
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	19	0.26
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	19	0.26
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	2	0.26
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	2	0.26
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	2	0.26
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	2	0.26
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	2	0.26
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	2	0.26
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	16	0.26
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	16	0.26
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	16	0.26
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	16	0.26
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	16	0.26
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	16	0.26
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	2	0.26
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	15	0.26
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	15	0.26
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	15	0.26
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	12	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	1	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	1	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	4	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	4	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	7	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	7	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	8	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	8	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	13	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	13	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	15	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	15	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	17	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	17	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	19	0.26
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	19	0.26
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	8	0.26
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	11	0.26
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	1	0.26
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	4	0.26
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	6	0.26
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	11	0.26
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	19	0.26
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	2	0.26
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	17	0.26
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	3	0.26
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	3	0.26
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	18	0.26
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	18	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	6	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	7	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	8	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	9	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	12	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	13	0.26
(1,677)	1:38:A:GLY:H	1:38:A:GLY:HA3	14	0.26
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	3	0.26
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	3	0.26
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	3	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	11	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	11	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	11	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	11	0.26
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	11	0.26
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	10	0.26
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	17	0.26
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	1	0.26
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	5	0.26
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	5	0.26
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	5	0.26
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	5	0.26
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	2	0.26
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	4	0.26
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	7	0.26
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	16	0.26
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	11	0.26
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	11	0.26
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	11	0.26
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	1	0.26
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	1	0.26
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	1	0.26
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	2	0.26
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	2	0.26
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	3	0.26
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	3	0.26
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	5	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	10	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	10	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	10	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	10	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	10	0.26
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	10	0.26
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	10	0.26
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	10	0.26
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	10	0.26
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	10	0.26
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	10	0.26
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	10	0.26
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	10	0.26
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	12	0.26
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	12	0.26
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	15	0.26
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	15	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	2	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	6	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	7	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	8	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	13	0.26
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	15	0.26
(1,111)	1:7:A:GLU:HG2	1:73:A:LYS:HA	4	0.26
(1,97)	1:7:A:GLU:H	1:6:A:ILE:HB	9	0.26
(1,93)	1:7:A:GLU:H	1:5:A:THR:HB	17	0.26
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	20	0.26
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	20	0.26
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	20	0.26
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	14	0.25
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	15	0.25
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	1	0.25
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	1	0.25
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	1	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD11	3	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD12	3	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD13	3	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD21	3	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD22	3	0.25
(1,1433)	1:75:A:LYS:HE2	1:49:A:LEU:HD23	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD11	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD12	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD13	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD21	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD22	3	0.25
(1,1433)	1:75:A:LYS:HE3	1:49:A:LEU:HD23	3	0.25
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD11	1	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD12	1	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD13	1	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD11	1	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD12	1	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD13	1	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD11	1	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD12	1	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD13	1	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD11	6	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD12	6	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD13	6	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD11	6	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD12	6	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD13	6	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD11	6	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD12	6	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD13	6	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD11	18	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD12	18	0.25
(1,1311)	1:70:A:ILE:HG21	1:70:A:ILE:HD13	18	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD11	18	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD12	18	0.25
(1,1311)	1:70:A:ILE:HG22	1:70:A:ILE:HD13	18	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD11	18	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD12	18	0.25
(1,1311)	1:70:A:ILE:HG23	1:70:A:ILE:HD13	18	0.25
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	18	0.25
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	18	0.25
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	18	0.25
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	18	0.25
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	18	0.25
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	18	0.25
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	18	0.25
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	18	0.25
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	18	0.25
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	16	0.25
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	16	0.25
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	16	0.25
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	16	0.25
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	16	0.25
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	16	0.25
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	16	0.25
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	16	0.25
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	7	0.25
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	7	0.25
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	7	0.25
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	8	0.25
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	8	0.25
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	8	0.25
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	5	0.25
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	12	0.25
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	8	0.25
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	8	0.25
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	8	0.25
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	8	0.25
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	8	0.25
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	8	0.25
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	4	0.25
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	13	0.25
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	16	0.25
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	8	0.25
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	1	0.25
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	7	0.25
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	8	0.25
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	17	0.25
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	20	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	11	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	11	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	14	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	14	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	18	0.25
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	18	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD11	8	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD12	8	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD13	8	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD21	8	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD22	8	0.25
(1,1004)	1:57:A:GLU:H	1:50:A:LEU:HD23	8	0.25
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	1	0.25
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	2	0.25
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	2	0.25
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	10	0.25
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	7	0.25
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	7	0.25
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	7	0.25
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	4	0.25
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	9	0.25
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	18	0.25
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	19	0.25
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	10	0.25
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	11	0.25
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	18	0.25
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	18	0.25
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	15	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	12	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	12	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	12	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	12	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	12	0.25
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	12	0.25
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	8	0.25
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	8	0.25
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	20	0.25
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	14	0.25
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	18	0.25
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	18	0.25
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	19	0.25
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	5	0.25
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	5	0.25
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	5	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	18	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	18	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	18	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	18	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	18	0.25
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	18	0.25
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	6	0.25
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	6	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	1	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	5	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	10	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	12	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	14	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	17	0.25
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	18	0.25
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	1	0.25
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	1	0.25
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	1	0.25
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	16	0.25
(1,296)	1:19:A:ASN:H	1:17:A:VAL:H	14	0.25
(1,258)	1:17:A:VAL:HG11	1:7:A:GLU:HG2	10	0.25
(1,258)	1:17:A:VAL:HG12	1:7:A:GLU:HG2	10	0.25
(1,258)	1:17:A:VAL:HG13	1:7:A:GLU:HG2	10	0.25
(1,258)	1:17:A:VAL:HG21	1:7:A:GLU:HG2	10	0.25
(1,258)	1:17:A:VAL:HG22	1:7:A:GLU:HG2	10	0.25
(1,258)	1:17:A:VAL:HG23	1:7:A:GLU:HG2	10	0.25
(1,191)	1:14:A:GLN:H	1:14:A:GLN:HG3	11	0.25
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	14	0.25
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	14	0.25
(1,131)	1:8:A:VAL:HG11	1:74:A:LEU:HA	18	0.25
(1,131)	1:8:A:VAL:HG12	1:74:A:LEU:HA	18	0.25
(1,131)	1:8:A:VAL:HG13	1:74:A:LEU:HA	18	0.25
(1,131)	1:8:A:VAL:HG21	1:74:A:LEU:HA	18	0.25
(1,131)	1:8:A:VAL:HG22	1:74:A:LEU:HA	18	0.25
(1,131)	1:8:A:VAL:HG23	1:74:A:LEU:HA	18	0.25
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	3	0.25
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	8	0.25
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	12	0.25
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	17	0.25
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	17	0.25
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	17	0.25
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	5	0.25
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	9	0.25
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	1	0.25
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE2	3	0.24
(1,1415)	1:75:A:LYS:H	1:75:A:LYS:HE3	3	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	19	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	19	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	19	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	19	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	19	0.24
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	19	0.24
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	10	0.24
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	10	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG11	20	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG12	20	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG13	20	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG21	20	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG22	20	0.24
(1,1306)	1:70:A:ILE:HG21	1:20:A:VAL:HG23	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG11	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG12	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG13	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG21	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG22	20	0.24
(1,1306)	1:70:A:ILE:HG22	1:20:A:VAL:HG23	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG11	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG12	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG13	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG21	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG22	20	0.24
(1,1306)	1:70:A:ILE:HG23	1:20:A:VAL:HG23	20	0.24
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	3	0.24
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	17	0.24
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	17	0.24
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	17	0.24
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	15	0.24
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	12	0.24
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	1	0.24
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	1	0.24
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	1	0.24
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	5	0.24
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	7	0.24
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	10	0.24
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	14	0.24
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	13	0.24
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	13	0.24
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	13	0.24
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	15	0.24
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	12	0.24
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	3	0.24
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	3	0.24
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	16	0.24
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	16	0.24
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	3	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	7	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	9	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	12	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	14	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	16	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	17	0.24
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	20	0.24
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	5	0.24
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	5	0.24
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	11	0.24
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	11	0.24
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	4	0.24
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	19	0.24
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	19	0.24
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	19	0.24
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	19	0.24
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	19	0.24
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	19	0.24
(1,928)	1:49:A:LEU:HD11	1:75:A:LYS:HG2	19	0.24
(1,928)	1:49:A:LEU:HD12	1:75:A:LYS:HG2	19	0.24
(1,928)	1:49:A:LEU:HD13	1:75:A:LYS:HG2	19	0.24
(1,928)	1:49:A:LEU:HD21	1:75:A:LYS:HG2	19	0.24
(1,928)	1:49:A:LEU:HD22	1:75:A:LYS:HG2	19	0.24
(1,928)	1:49:A:LEU:HD23	1:75:A:LYS:HG2	19	0.24
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	7	0.24
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	3	0.24
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	3	0.24
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	5	0.24
(1,810)	1:45:A:GLN:H	1:79:A:LEU:HB3	7	0.24
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	18	0.24
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	5	0.24
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	14	0.24
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	14	0.24
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	18	0.24
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	18	0.24
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	13	0.24
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	10	0.24
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	6	0.24
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	12	0.24
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	12	0.24
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	12	0.24
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	12	0.24
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	12	0.24
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	1	0.24
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	7	0.24
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	12	0.24
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	16	0.24
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	17	0.24
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB1	2	0.24
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB2	2	0.24
(1,408)	1:25:A:THR:H	1:66:A:ALA:HB3	2	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	1	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD11	11	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD12	11	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD13	11	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD21	11	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD22	11	0.24
(1,393)	1:24:A:LEU:HA	1:24:A:LEU:HD23	11	0.24
(1,371)	1:23:A:GLY:H	1:22:A:PRO:HB3	11	0.24
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	5	0.24
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	4	0.24
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	7	0.24
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	8	0.24
(1,302)	1:19:A:ASN:H	1:18:A:ILE:HG13	3	0.24
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	2	0.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD21	2	0.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD22	2	0.24
(1,253)	1:17:A:VAL:HA	1:74:A:LEU:HD23	2	0.24
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	13	0.24
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	10	0.24
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG2	17	0.24
(1,154)	1:10:A:LEU:H	1:9:A:GLU:HG3	17	0.24
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	7	0.24
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	9	0.24
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	10	0.24
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	19	0.24
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD11	5	0.24
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD12	5	0.24
(1,33)	1:4:A:ARG:HD3	1:70:A:ILE:HD13	5	0.24
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	4	0.23
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	4	0.23
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	11	0.23
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	6	0.23
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	8	0.23
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	14	0.23
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	16	0.23
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	7	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	14	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	14	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	14	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	14	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	14	0.23
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	14	0.23
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	12	0.23
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	13	0.23
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	8	0.23
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	8	0.23
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	8	0.23
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	17	0.23
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	17	0.23
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	17	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	13	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	13	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	13	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	13	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	13	0.23
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	13	0.23
(1,1192)	1:66:A:ALA:H	1:70:A:ILE:H	15	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	8	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	12	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	12	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	12	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	12	0.23
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	12	0.23
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	4	0.23
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	20	0.23
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	20	0.23
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	20	0.23
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	3	0.23
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	9	0.23
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	11	0.23
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	20	0.23
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	1	0.23
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	1	0.23
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	1	0.23
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	16	0.23
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	19	0.23
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	18	0.23
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	18	0.23
(1,1068)	1:60:A:LEU:H	1:47:A:TYR:HB2	10	0.23
(1,1040)	1:58:A:GLN:H	1:56:A:ALA:H	17	0.23
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	4	0.23
(1,1011)	1:57:A:GLU:H	1:56:A:ALA:H	17	0.23
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	6	0.23
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	8	0.23
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	15	0.23
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	19	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	1	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	1	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	4	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	4	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	13	0.23
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	13	0.23
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	11	0.23
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	17	0.23
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	17	0.23
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	17	0.23
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	17	0.23
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	17	0.23
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	17	0.23
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	18	0.23
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	18	0.23
(1,930)	1:49:A:LEU:HD11	1:56:A:ALA:HA	9	0.23
(1,930)	1:49:A:LEU:HD12	1:56:A:ALA:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:49:A:LEU:HD13	1:56:A:ALA:HA	9	0.23
(1,930)	1:49:A:LEU:HD21	1:56:A:ALA:HA	9	0.23
(1,930)	1:49:A:LEU:HD22	1:56:A:ALA:HA	9	0.23
(1,930)	1:49:A:LEU:HD23	1:56:A:ALA:HA	9	0.23
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	20	0.23
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	17	0.23
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	19	0.23
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	19	0.23
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	19	0.23
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	10	0.23
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	12	0.23
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	12	0.23
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	9	0.23
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	10	0.23
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	10	0.23
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	11	0.23
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	3	0.23
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	1	0.23
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	1	0.23
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	7	0.23
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	7	0.23
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	19	0.23
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	19	0.23
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	3	0.23
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	4	0.23
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	8	0.23
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	9	0.23
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	15	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG12	14	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD11	1:20:A:VAL:HG23	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG12	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD12	1:20:A:VAL:HG23	14	0.23
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG12	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD13	1:20:A:VAL:HG23	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG12	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD21	1:20:A:VAL:HG23	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG12	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD22	1:20:A:VAL:HG23	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG11	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG12	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG13	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG21	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG22	14	0.23
(1,400)	1:24:A:LEU:HD23	1:20:A:VAL:HG23	14	0.23
(1,332)	1:21:A:ARG:H	1:4:A:ARG:HD3	3	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	7	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	7	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	7	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	7	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	7	0.23
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	7	0.23
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	7	0.23
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	7	0.23
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	12	0.23
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	6	0.23
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	20	0.23
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	17	0.23
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	14	0.23
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	14	0.23
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	1	0.23
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	18	0.23
(1,94)	1:7:A:GLU:H	1:7:A:GLU:HG2	13	0.23
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	14	0.23
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	18	0.22
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	18	0.22
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	18	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	2	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	2	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	3	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	3	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	20	0.22
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	20	0.22
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	18	0.22
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	11	0.22
(1,1411)	1:75:A:LYS:H	1:74:A:LEU:HB3	15	0.22
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	14	0.22
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	8	0.22
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	10	0.22
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD2	4	0.22
(1,1330)	1:72:A:LYS:H	1:72:A:LYS:HD3	4	0.22
(1,1316)	1:71:A:GLY:H	1:70:A:ILE:HB	9	0.22
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	7	0.22
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	16	0.22
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	6	0.22
(1,1186)	1:66:A:ALA:H	1:67:A:GLU:HB2	13	0.22
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	15	0.22
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	1	0.22
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	4	0.22
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	9	0.22
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	5	0.22
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	5	0.22
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	10	0.22
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	10	0.22
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	10	0.22
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	10	0.22
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	10	0.22
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	10	0.22
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	10	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	5	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	5	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	7	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	7	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	10	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	10	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	11	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	11	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	14	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	14	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	18	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	18	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	19	0.22
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	19	0.22
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	1	0.22
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	2	0.22
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	4	0.22
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	11	0.22
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	13	0.22
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	3	0.22
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	2	0.22
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD21	18	0.22
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD22	18	0.22
(1,904)	1:48:A:LEU:HD11	1:74:A:LEU:HD23	18	0.22
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD21	18	0.22
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD22	18	0.22
(1,904)	1:48:A:LEU:HD12	1:74:A:LEU:HD23	18	0.22
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD21	18	0.22
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD22	18	0.22
(1,904)	1:48:A:LEU:HD13	1:74:A:LEU:HD23	18	0.22
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	10	0.22
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	19	0.22
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	19	0.22
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	1	0.22
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	17	0.22
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	19	0.22
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	12	0.22
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	20	0.22
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	20	0.22
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	12	0.22
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	2	0.22
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	6	0.22
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	15	0.22
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	20	0.22
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	18	0.22
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	20	0.22
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB1	9	0.22
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB2	9	0.22
(1,335)	1:21:A:ARG:H	1:29:A:ALA:HB3	9	0.22
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	18	0.22
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	4	0.22
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	4	0.22
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	4	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	2	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	4	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	7	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	8	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	9	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	12	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	13	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	14	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	15	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	16	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	18	0.22
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	20	0.22
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	19	0.22
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	10	0.22
(1,45)	1:5:A:THR:H	1:3:A:ASP:HB3	9	0.22
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG21	3	0.21
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG22	3	0.21
(1,1516)	1:3:A:ASP:HB2	1:5:A:THR:HG23	3	0.21
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	13	0.21
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	15	0.21
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	12	0.21
(1,1411)	1:75:A:LYS:H	1:74:A:LEU:HB3	2	0.21
(1,1396)	1:74:A:LEU:H	1:8:A:VAL:HA	18	0.21
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	3	0.21
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	3	0.21
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	19	0.21
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	4	0.21
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	9	0.21
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG2	13	0.21
(1,1315)	1:71:A:GLY:H	1:72:A:LYS:HG3	13	0.21
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	8	0.21
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	8	0.21
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	8	0.21
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	8	0.21
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	8	0.21
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	8	0.21
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	8	0.21
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	8	0.21
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	8	0.21
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	13	0.21
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	13	0.21
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	13	0.21
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	13	0.21
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	13	0.21
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	13	0.21
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	13	0.21
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	13	0.21
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	13	0.21
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	5	0.21
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	5	0.21
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	5	0.21
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	5	0.21
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	5	0.21
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	5	0.21
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	5	0.21
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	5	0.21
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	5	0.21
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	6	0.21
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	19	0.21
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	19	0.21
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	15	0.21
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	1	0.21
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	2	0.21
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	11	0.21
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	19	0.21
(1,1077)	1:60:A:LEU:H	1:48:A:LEU:H	16	0.21
(1,1033)	1:58:A:GLN:H	1:47:A:TYR:HB2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG2	6	0.21
(1,1031)	1:58:A:GLN:H	1:57:A:GLU:HG3	6	0.21
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	14	0.21
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB2	9	0.21
(1,1006)	1:57:A:GLU:H	1:57:A:GLU:HB3	9	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	1	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	1	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	3	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	3	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	16	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	16	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	17	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	17	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	20	0.21
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	20	0.21
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	18	0.21
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	6	0.21
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	6	0.21
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	17	0.21
(1,962)	1:52:A:GLY:H	1:51:A:SER:HA	13	0.21
(1,934)	1:50:A:LEU:H	1:50:A:LEU:HB3	20	0.21
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	6	0.21
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	6	0.21
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	9	0.21
(1,880)	1:48:A:LEU:H	1:48:A:LEU:HB2	2	0.21
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	6	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	13	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	13	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	13	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	13	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	13	0.21
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	13	0.21
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE21	2	0.21
(1,817)	1:45:A:GLN:H	1:45:A:GLN:HE22	2	0.21
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	3	0.21
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	5	0.21
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	10	0.21
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	11	0.21
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	16	0.21
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	11	0.21
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	11	0.21
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	15	0.21
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	9	0.21
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	2	0.21
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	2	0.21
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG2	6	0.21
(1,735)	1:42:A:ASN:H	1:43:A:LYS:HG3	6	0.21
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	1	0.21
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	3	0.21
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	18	0.21
(1,687)	1:39:A:ILE:H	1:34:A:LEU:HG	20	0.21
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	9	0.21
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	17	0.21
(1,448)	1:27:A:LYS:H	1:26:A:LEU:HG	2	0.21
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	11	0.21
(1,411)	1:25:A:THR:H	1:28:A:GLU:HB2	18	0.21
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	5	0.21
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	5	0.21
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	5	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	16	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	16	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	16	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	16	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	16	0.21
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	16	0.21
(1,376)	1:23:A:GLY:H	1:21:A:ARG:HA	3	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	4	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	4	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	4	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	4	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	4	0.21
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	4	0.21
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	16	0.21
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	16	0.21
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	16	0.21
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	8	0.21
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	8	0.21
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD11	5	0.21
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD12	5	0.21
(1,249)	1:17:A:VAL:H	1:18:A:ILE:HD13	5	0.21
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	1	0.21
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	5	0.21
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	17	0.21
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	17	0.21
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	1	0.21
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	4	0.21
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	5	0.21
(1,32)	1:4:A:ARG:HD3	1:22:A:PRO:HG3	2	0.21
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	1	0.2
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	16	0.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	18	0.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	18	0.2
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	18	0.2
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	9	0.2
(1,1153)	1:64:A:HIS:H	1:61:A:SER:HB3	8	0.2
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	19	0.2
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	12	0.2
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	18	0.2
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	18	0.2
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD1	6	0.2
(1,1073)	1:60:A:LEU:H	1:47:A:TYR:HD2	6	0.2
(1,1064)	1:60:A:LEU:H	1:60:A:LEU:HG	9	0.2
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	7	0.2
(1,1036)	1:58:A:GLN:H	1:48:A:LEU:HA	9	0.2
(1,1012)	1:57:A:GLU:HA	1:47:A:TYR:HA	11	0.2
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	2	0.2
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	2	0.2
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	4	0.2
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	4	0.2
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	14	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	12	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	12	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	12	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	12	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	12	0.2
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	12	0.2
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	8	0.2
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	8	0.2
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE21	20	0.2
(1,842)	1:46:A:VAL:H	1:45:A:GLN:HE22	20	0.2
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG11	15	0.2
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG12	15	0.2
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG13	15	0.2
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG21	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG22	15	0.2
(1,826)	1:45:A:GLN:HG2	1:46:A:VAL:HG23	15	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	2	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	4	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	6	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	7	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	8	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	9	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	12	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	13	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	14	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	15	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	16	0.2
(1,795)	1:44:A:VAL:H	1:45:A:GLN:H	20	0.2
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	11	0.2
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	13	0.2
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	8	0.2
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	20	0.2
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	16	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	18	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	18	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	18	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	18	0.2
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	18	0.2
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG2	1	0.2
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG3	1	0.2
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	11	0.2
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	17	0.2
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	19	0.2
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	5	0.2
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	15	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	13	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	13	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	13	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	13	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	13	0.2
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	13	0.2
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	4	0.2
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	16	0.2
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	6	0.2
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	6	0.2
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG21	13	0.2
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG22	13	0.2
(1,320)	1:20:A:VAL:H	1:5:A:THR:HG23	13	0.2
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG21	18	0.2
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG22	18	0.2
(1,310)	1:19:A:ASN:HB2	1:5:A:THR:HG23	18	0.2
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG21	18	0.2
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG22	18	0.2
(1,310)	1:19:A:ASN:HB3	1:5:A:THR:HG23	18	0.2
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	5	0.2
(1,248)	1:17:A:VAL:H	1:16:A:THR:HG21	19	0.2
(1,248)	1:17:A:VAL:H	1:16:A:THR:HG22	19	0.2
(1,248)	1:17:A:VAL:H	1:16:A:THR:HG23	19	0.2
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	11	0.2
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB2	5	0.2
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB3	5	0.2
(1,155)	1:10:A:LEU:H	1:9:A:GLU:HB3	11	0.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG21	8	0.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG22	8	0.2
(1,70)	1:6:A:ILE:H	1:5:A:THR:HG23	8	0.2
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	7	0.2
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	13	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG21	8	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG22	8	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG23	8	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG21	20	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG22	20	0.2
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG23	20	0.2
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	11	0.19
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	11	0.19
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	11	0.19
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	18	0.19
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	18	0.19
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	18	0.19
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD11	13	0.19
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD12	13	0.19
(1,1375)	1:73:A:LYS:HA	1:74:A:LEU:HD13	13	0.19
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	2	0.19
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	16	0.19
(1,1370)	1:73:A:LYS:H	1:73:A:LYS:HB2	20	0.19
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	10	0.19
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	14	0.19
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	14	0.19
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	3	0.19
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	18	0.19
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	12	0.19
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	12	0.19
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	12	0.19
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	12	0.19
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	2	0.19
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	2	0.19
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	2	0.19
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	7	0.19
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	5	0.19
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	5	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	6	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	6	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	8	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	8	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	9	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	9	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	12	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	12	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	13	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	13	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA2	15	0.19
(1,995)	1:56:A:ALA:H	1:55:A:GLY:HA3	15	0.19
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	2	0.19
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	5	0.19
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	5	0.19
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	5	0.19
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	5	0.19
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	5	0.19
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	10	0.19
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	13	0.19
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	13	0.19
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	13	0.19
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	13	0.19
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	13	0.19
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	13	0.19
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	5	0.19
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	5	0.19
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	12	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	4	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	4	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	4	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	4	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	4	0.19
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	4	0.19
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	15	0.19
(1,797)	1:44:A:VAL:HA	1:79:A:LEU:HB3	19	0.19
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD11	14	0.19
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD12	14	0.19
(1,700)	1:40:A:ASP:H	1:39:A:ILE:HD13	14	0.19
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	4	0.19
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	2	0.19
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	3	0.19
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	5	0.19
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB2	18	0.19
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB3	18	0.19
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	3	0.19
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	3	0.19
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	15	0.19
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	15	0.19
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	15	0.19
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	16	0.19
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	16	0.19
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:34:A:LEU:H	1:34:A:LEU:HG	20	0.19
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	20	0.19
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	20	0.19
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	20	0.19
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	20	0.19
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	20	0.19
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	20	0.19
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	20	0.19
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	20	0.19
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	20	0.19
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	6	0.19
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	6	0.19
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	3	0.19
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	3	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	8	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	17	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	17	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	17	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	17	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	17	0.19
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	17	0.19
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	10	0.19
(1,411)	1:25:A:THR:H	1:28:A:GLU:HB2	19	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	12	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	12	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	12	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	12	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	12	0.19
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	12	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	2	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	2	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	2	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	2	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	2	0.19
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	2	0.19
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	1	0.19
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	12	0.19
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	19	0.19
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	6	0.19
(1,319)	1:20:A:VAL:H	1:20:A:VAL:HB	19	0.19
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	16	0.19
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	16	0.19
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	5	0.19
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	5	0.19
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	5	0.19
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	8	0.19
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	3	0.19
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	8	0.19
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	3	0.19
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	2	0.19
(1,158)	1:10:A:LEU:HA	1:76:A:VAL:HB	1	0.19
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	12	0.19
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG21	11	0.19
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG22	11	0.19
(1,14)	1:4:A:ARG:H	1:5:A:THR:HG23	11	0.19
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	12	0.18
(1,1441)	1:76:A:VAL:H	1:76:A:VAL:HB	4	0.18
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	7	0.18
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	17	0.18
(1,1413)	1:75:A:LYS:H	1:9:A:GLU:HB3	1	0.18
(1,1391)	1:74:A:LEU:H	1:74:A:LEU:HB3	6	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	8	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	8	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	8	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	8	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	8	0.18
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	8	0.18
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	14	0.18
(1,1287)	1:70:A:ILE:H	1:5:A:THR:HA	16	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	1	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	1	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	1	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	1	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	1	0.18
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	1	0.18
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	17	0.18
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	17	0.18
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	17	0.18
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD21	20	0.18
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD22	20	0.18
(1,1101)	1:62:A:LEU:H	1:62:A:LEU:HD23	20	0.18
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	20	0.18
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	5	0.18
(1,1086)	1:61:A:SER:H	1:64:A:HIS:HB2	18	0.18
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	4	0.18
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG2	17	0.18
(1,1032)	1:58:A:GLN:H	1:58:A:GLN:HG3	17	0.18
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	6	0.18
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	6	0.18
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	6	0.18
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	6	0.18
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	6	0.18
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	6	0.18
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	6	0.18
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	6	0.18
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	6	0.18
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	4	0.18
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	16	0.18
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	5	0.18
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	5	0.18
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	11	0.18
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	3	0.18
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	3	0.18
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	10	0.18
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	14	0.18
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	10	0.18
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	7	0.18
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	7	0.18
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	1	0.18
(1,503)	1:29:A:ALA:H	1:28:A:GLU:HB2	19	0.18
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD21	12	0.18
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD22	12	0.18
(1,464)	1:27:A:LYS:HA	1:62:A:LEU:HD23	12	0.18
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	6	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	7	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	9	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	18	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	18	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	18	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	18	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	18	0.18
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	18	0.18
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	6	0.18
(1,409)	1:25:A:THR:H	1:25:A:THR:HG21	6	0.18
(1,409)	1:25:A:THR:H	1:25:A:THR:HG22	6	0.18
(1,409)	1:25:A:THR:H	1:25:A:THR:HG23	6	0.18
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	7	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD11	12	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD12	12	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD13	12	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD21	12	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD22	12	0.18
(1,337)	1:21:A:ARG:H	1:24:A:LEU:HD23	12	0.18
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	15	0.18
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	17	0.18
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	13	0.18
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	13	0.18
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	20	0.18
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	20	0.18
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	15	0.18
(1,245)	1:17:A:VAL:H	1:16:A:THR:HB	9	0.18
(1,211)	1:15:A:ARG:H	1:14:A:GLN:HB2	3	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	5	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	7	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	8	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	9	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	13	0.18
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	16	0.18
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	15	0.18
(1,89)	1:7:A:GLU:H	1:73:A:LYS:HA	5	0.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	2	0.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	2	0.18
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	2	0.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	2	0.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	2	0.18
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	2	0.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	2	0.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	2	0.18
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	2	0.18
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	11	0.18
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	15	0.17
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	15	0.17
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	3	0.17
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	15	0.17
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	7	0.17
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	7	0.17
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	13	0.17
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	13	0.17
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	13	0.17
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	13	0.17
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	13	0.17
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	13	0.17
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	13	0.17
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	13	0.17
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	13	0.17
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	14	0.17
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	14	0.17
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	14	0.17
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	14	0.17
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	14	0.17
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	14	0.17
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	14	0.17
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	14	0.17
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	5	0.17
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	5	0.17
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	5	0.17
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	2	0.17
(1,1261)	1:69:A:LEU:H	1:69:A:LEU:HB3	19	0.17
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	10	0.17
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	11	0.17
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	18	0.17
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	2	0.17
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	12	0.17
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	6	0.17
(1,1093)	1:61:A:SER:H	1:64:A:HIS:H	20	0.17
(1,1086)	1:61:A:SER:H	1:64:A:HIS:HB2	19	0.17
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	6	0.17
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	1	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	11	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	11	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	11	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	11	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	11	0.17
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	11	0.17
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	2	0.17
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	5	0.17
(1,979)	1:54:A:ASP:H	1:54:A:ASP:HA	10	0.17
(1,972)	1:53:A:ASP:H	1:56:A:ALA:H	10	0.17
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	14	0.17
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB2	14	0.17
(1,935)	1:50:A:LEU:H	1:51:A:SER:HB3	14	0.17
(1,916)	1:49:A:LEU:H	1:74:A:LEU:HA	10	0.17
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	3	0.17
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	8	0.17
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	17	0.17
(1,881)	1:48:A:LEU:H	1:57:A:GLU:HG2	13	0.17
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	19	0.17
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	20	0.17
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	7	0.17
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD21	15	0.17
(1,763)	1:44:A:VAL:H	1:42:A:ASN:HD22	15	0.17
(1,703)	1:40:A:ASP:H	1:39:A:ILE:HB	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	12	0.17
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	19	0.17
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	7	0.17
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	9	0.17
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	18	0.17
(1,647)	1:36:A:VAL:H	1:38:A:GLY:H	6	0.17
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	9	0.17
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	9	0.17
(1,636)	1:35:A:LYS:HE2	1:32:A:LYS:HG2	17	0.17
(1,636)	1:35:A:LYS:HE3	1:32:A:LYS:HG2	17	0.17
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD11	1	0.17
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD12	1	0.17
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD13	1	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	17	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	17	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	17	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	17	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	17	0.17
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	17	0.17
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	17	0.17
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	17	0.17
(1,478)	1:28:A:GLU:H	1:27:A:LYS:HB3	18	0.17
(1,441)	1:26:A:LEU:HD11	1:26:A:LEU:HA	1	0.17
(1,441)	1:26:A:LEU:HD12	1:26:A:LEU:HA	1	0.17
(1,441)	1:26:A:LEU:HD13	1:26:A:LEU:HA	1	0.17
(1,441)	1:26:A:LEU:HD21	1:26:A:LEU:HA	1	0.17
(1,441)	1:26:A:LEU:HD22	1:26:A:LEU:HA	1	0.17
(1,441)	1:26:A:LEU:HD23	1:26:A:LEU:HA	1	0.17
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	10	0.17
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	10	0.17
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	10	0.17
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	11	0.17
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	15	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	19	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	19	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	19	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	19	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	19	0.17
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	19	0.17
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	19	0.17
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	19	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	2	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	2	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	2	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	8	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	8	0.17
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	8	0.17
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	6	0.17
(1,234)	1:16:A:THR:HA	1:16:A:THR:HB	19	0.17
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	15	0.17
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	4	0.17
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	6	0.17
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	17	0.17
(1,193)	1:14:A:GLN:H	1:14:A:GLN:HB3	10	0.17
(1,158)	1:10:A:LEU:HA	1:76:A:VAL:HB	18	0.17
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG11	19	0.16
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG12	19	0.16
(1,1487)	1:79:A:LEU:H	1:44:A:VAL:HG13	19	0.16
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	13	0.16
(1,1406)	1:74:A:LEU:HD11	1:74:A:LEU:HA	6	0.16
(1,1406)	1:74:A:LEU:HD12	1:74:A:LEU:HA	6	0.16
(1,1406)	1:74:A:LEU:HD13	1:74:A:LEU:HA	6	0.16
(1,1406)	1:74:A:LEU:HD21	1:74:A:LEU:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:74:A:LEU:HD22	1:74:A:LEU:HA	6	0.16
(1,1406)	1:74:A:LEU:HD23	1:74:A:LEU:HA	6	0.16
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	4	0.16
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	4	0.16
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	19	0.16
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	19	0.16
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	19	0.16
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	19	0.16
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	19	0.16
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	19	0.16
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	19	0.16
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	19	0.16
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	19	0.16
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG21	2	0.16
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG22	2	0.16
(1,1304)	1:70:A:ILE:HD11	1:6:A:ILE:HG23	2	0.16
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG21	2	0.16
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG22	2	0.16
(1,1304)	1:70:A:ILE:HD12	1:6:A:ILE:HG23	2	0.16
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG21	2	0.16
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG22	2	0.16
(1,1304)	1:70:A:ILE:HD13	1:6:A:ILE:HG23	2	0.16
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG2	12	0.16
(1,1260)	1:69:A:LEU:H	1:72:A:LYS:HG3	12	0.16
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	11	0.16
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	16	0.16
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	18	0.16
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	8	0.16
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	5	0.16
(1,1083)	1:61:A:SER:H	1:60:A:LEU:HG	11	0.16
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB2	12	0.16
(1,1063)	1:60:A:LEU:H	1:60:A:LEU:HB3	12	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD11	17	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD12	17	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD13	17	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD21	17	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD22	17	0.16
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD23	17	0.16
(1,963)	1:52:A:GLY:H	1:51:A:SER:HG	19	0.16
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB1	17	0.16
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB2	17	0.16
(1,952)	1:51:A:SER:H	1:56:A:ALA:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB2	2	0.16
(1,932)	1:49:A:LEU:HG	1:57:A:GLU:HB3	2	0.16
(1,913)	1:49:A:LEU:H	1:48:A:LEU:HB2	12	0.16
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	12	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	11	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	11	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	11	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	11	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	11	0.16
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	11	0.16
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	1	0.16
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD1	11	0.16
(1,831)	1:45:A:GLN:HG3	1:47:A:TYR:HD2	11	0.16
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	9	0.16
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	16	0.16
(1,789)	1:44:A:VAL:H	1:79:A:LEU:HA	8	0.16
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	14	0.16
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	11	0.16
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	6	0.16
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	13	0.16
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	17	0.16
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	1	0.16
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	6	0.16
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	9	0.16
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	10	0.16
(1,661)	1:37:A:ARG:H	1:38:A:GLY:HA3	17	0.16
(1,619)	1:34:A:LEU:HD21	1:43:A:LYS:HA	4	0.16
(1,619)	1:34:A:LEU:HD22	1:43:A:LYS:HA	4	0.16
(1,619)	1:34:A:LEU:HD23	1:43:A:LYS:HA	4	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD11	20	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD12	20	0.16
(1,610)	1:34:A:LEU:HA	1:34:A:LEU:HD13	20	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	4	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	4	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	4	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	4	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	4	0.16
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	4	0.16
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	18	0.16
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	18	0.16
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	18	0.16
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	18	0.16
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	18	0.16
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	18	0.16
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	18	0.16
(1,507)	1:29:A:ALA:H	1:24:A:LEU:HA	2	0.16
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	12	0.16
(1,441)	1:26:A:LEU:HD11	1:26:A:LEU:HA	10	0.16
(1,441)	1:26:A:LEU:HD12	1:26:A:LEU:HA	10	0.16
(1,441)	1:26:A:LEU:HD13	1:26:A:LEU:HA	10	0.16
(1,441)	1:26:A:LEU:HD21	1:26:A:LEU:HA	10	0.16
(1,441)	1:26:A:LEU:HD22	1:26:A:LEU:HA	10	0.16
(1,441)	1:26:A:LEU:HD23	1:26:A:LEU:HA	10	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	15	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	15	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	15	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	15	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	15	0.16
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	15	0.16
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	19	0.16
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	3	0.16
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	7	0.16
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	9	0.16
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	13	0.16
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	18	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	2	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	2	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	2	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	3	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	3	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	3	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	6	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	6	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	8	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	8	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	8	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	11	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	11	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	11	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	13	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	13	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	13	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	15	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	15	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	15	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	16	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	16	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	16	0.16
(1,291)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	20	0.16
(1,291)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	20	0.16
(1,291)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	20	0.16
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	19	0.16
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	5	0.16
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	1	0.16
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	11	0.16
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	14	0.16
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	18	0.16
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG2	4	0.16
(1,174)	1:13:A:LYS:HA	1:9:A:GLU:HG3	4	0.16
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	3	0.16
(1,28)	1:4:A:ARG:HD2	1:4:A:ARG:HB3	12	0.16
(1,1414)	1:75:A:LYS:H	1:47:A:TYR:HB3	10	0.15
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	7	0.15
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	7	0.15
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	18	0.15
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD11	9	0.15
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD12	9	0.15
(1,1313)	1:71:A:GLY:H	1:70:A:ILE:HD13	9	0.15
(1,1265)	1:69:A:LEU:H	1:66:A:ALA:HA	20	0.15
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	15	0.15
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	16	0.15
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	20	0.15
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	11	0.15
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG2	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG3	19	0.15
(1,1048)	1:59:A:PRO:HA	1:47:A:TYR:HA	10	0.15
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	15	0.15
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	15	0.15
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	8	0.15
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	8	0.15
(1,967)	1:53:A:ASP:H	1:53:A:ASP:HB3	5	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	4	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	7	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	10	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	11	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	13	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	14	0.15
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	20	0.15
(1,930)	1:49:A:LEU:HD11	1:56:A:ALA:HA	2	0.15
(1,930)	1:49:A:LEU:HD12	1:56:A:ALA:HA	2	0.15
(1,930)	1:49:A:LEU:HD13	1:56:A:ALA:HA	2	0.15
(1,930)	1:49:A:LEU:HD21	1:56:A:ALA:HA	2	0.15
(1,930)	1:49:A:LEU:HD22	1:56:A:ALA:HA	2	0.15
(1,930)	1:49:A:LEU:HD23	1:56:A:ALA:HA	2	0.15
(1,913)	1:49:A:LEU:H	1:48:A:LEU:HB2	13	0.15
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	15	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	13	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	13	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	13	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	13	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	13	0.15
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	13	0.15
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	14	0.15
(1,857)	1:47:A:TYR:H	1:47:A:TYR:HB2	3	0.15
(1,857)	1:47:A:TYR:H	1:47:A:TYR:HB2	14	0.15
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB2	19	0.15
(1,758)	1:43:A:LYS:H	1:42:A:ASN:HB3	19	0.15
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	4	0.15
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG2	7	0.15
(1,753)	1:43:A:LYS:H	1:43:A:LYS:HG3	7	0.15
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	5	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	2	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	3	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	7	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	8	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	17	0.15
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	18	0.15
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	17	0.15
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	17	0.15
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	20	0.15
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	5	0.15
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE2	3	0.15
(1,569)	1:32:A:LYS:H	1:35:A:LYS:HE3	3	0.15
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	3	0.15
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	16	0.15
(1,448)	1:27:A:LYS:H	1:26:A:LEU:HG	20	0.15
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	6	0.15
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	8	0.15
(1,331)	1:21:A:ARG:H	1:22:A:PRO:HD3	20	0.15
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	3	0.15
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	15	0.15
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	20	0.15
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	2	0.15
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	3	0.15
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD11	4	0.15
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD12	4	0.15
(1,304)	1:19:A:ASN:H	1:18:A:ILE:HD13	4	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	11	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	11	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	11	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	11	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	11	0.15
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	11	0.15
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	11	0.15
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	11	0.15
(1,266)	1:18:A:ILE:H	1:5:A:THR:HB	16	0.15
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:7:A:GLU:HG2	1:73:A:LYS:HA	14	0.15
(1,81)	1:6:A:ILE:HG21	1:74:A:LEU:HG	12	0.15
(1,81)	1:6:A:ILE:HG22	1:74:A:LEU:HG	12	0.15
(1,81)	1:6:A:ILE:HG23	1:74:A:LEU:HG	12	0.15
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	8	0.15
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	15	0.15
(1,28)	1:4:A:ARG:HD2	1:4:A:ARG:HB3	2	0.15
(1,8)	1:4:A:ARG:H	1:5:A:THR:H	9	0.15
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB2	1	0.14
(1,1489)	1:79:A:LEU:H	1:79:A:LEU:HB3	1	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD11	13	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD12	13	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD13	13	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD21	13	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD22	13	0.14
(1,1409)	1:75:A:LYS:H	1:74:A:LEU:HD23	13	0.14
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB2	13	0.14
(1,1394)	1:74:A:LEU:H	1:7:A:GLU:HB3	13	0.14
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	11	0.14
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	4	0.14
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	13	0.14
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	19	0.14
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	20	0.14
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD21	19	0.14
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD22	19	0.14
(1,1271)	1:69:A:LEU:HA	1:69:A:LEU:HD23	19	0.14
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	11	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	17	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	17	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	17	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	17	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	17	0.14
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	17	0.14
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	2	0.14
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	3	0.14
(1,1124)	1:63:A:ASN:H	1:62:A:LEU:HB2	12	0.14
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	6	0.14
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	6	0.14
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	6	0.14
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	6	0.14
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	6	0.14
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	10	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD11	6	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD12	6	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD13	6	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD21	6	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD22	6	0.14
(1,1029)	1:58:A:GLN:H	1:50:A:LEU:HD23	6	0.14
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	20	0.14
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	20	0.14
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	15	0.14
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	15	0.14
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	4	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	1	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	2	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	3	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	6	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	8	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	16	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	17	0.14
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	19	0.14
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	20	0.14
(1,892)	1:48:A:LEU:H	1:47:A:TYR:H	14	0.14
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	13	0.14
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	16	0.14
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	14	0.14
(1,784)	1:44:A:VAL:H	1:43:A:LYS:HB3	16	0.14
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	18	0.14
(1,738)	1:42:A:ASN:H	1:42:A:ASN:HB3	18	0.14
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	7	0.14
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	9	0.14
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	14	0.14
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	15	0.14
(1,690)	1:39:A:ILE:H	1:39:A:ILE:HA	16	0.14
(1,689)	1:39:A:ILE:H	1:38:A:GLY:HA3	20	0.14
(1,674)	1:38:A:GLY:H	1:34:A:LEU:HG	12	0.14
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	10	0.14
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	2	0.14
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	2	0.14
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	2	0.14
(1,450)	1:27:A:LYS:H	1:27:A:LYS:HB3	10	0.14
(1,389)	1:24:A:LEU:H	1:21:A:ARG:HA	5	0.14
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	5	0.14
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	10	0.14
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	16	0.14
(1,313)	1:20:A:VAL:H	1:5:A:THR:HA	13	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG11	17	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG12	17	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG13	17	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG21	17	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG22	17	0.14
(1,290)	1:18:A:ILE:HG21	1:8:A:VAL:HG23	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG11	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG12	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG13	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG21	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG22	17	0.14
(1,290)	1:18:A:ILE:HG22	1:8:A:VAL:HG23	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG11	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG12	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG13	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG21	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG22	17	0.14
(1,290)	1:18:A:ILE:HG23	1:8:A:VAL:HG23	17	0.14
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	17	0.14
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB2	14	0.14
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB3	14	0.14
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	2	0.14
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	3	0.14
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	11	0.14
(1,46)	1:5:A:THR:H	1:4:A:ARG:HB2	12	0.14
(1,38)	1:5:A:THR:H	1:70:A:ILE:H	9	0.14
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG11	1:44:A:VAL:HG23	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG12	1:44:A:VAL:HG23	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG13	1:44:A:VAL:HG23	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG21	1:44:A:VAL:HG23	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG22	1:44:A:VAL:HG23	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG11	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG12	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG13	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG21	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG22	5	0.13
(1,1454)	1:76:A:VAL:HG23	1:44:A:VAL:HG23	5	0.13
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	20	0.13
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	3	0.13
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD11	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD12	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD13	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD21	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD22	5	0.13
(1,1390)	1:74:A:LEU:H	1:74:A:LEU:HD23	5	0.13
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	6	0.13
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	12	0.13
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	2	0.13
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	5	0.13
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	7	0.13
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	17	0.13
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	19	0.13
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	1	0.13
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	9	0.13
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	14	0.13
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	16	0.13
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG21	11	0.13
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG22	11	0.13
(1,1307)	1:70:A:ILE:HG21	1:6:A:ILE:HG23	11	0.13
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG21	11	0.13
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG22	11	0.13
(1,1307)	1:70:A:ILE:HG22	1:6:A:ILE:HG23	11	0.13
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG21	11	0.13
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG22	11	0.13
(1,1307)	1:70:A:ILE:HG23	1:6:A:ILE:HG23	11	0.13
(1,1267)	1:69:A:LEU:H	1:70:A:ILE:H	15	0.13
(1,1236)	1:68:A:ARG:H	1:67:A:GLU:HA	18	0.13
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	13	0.13
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	6	0.13
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	4	0.13
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	17	0.13
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	17	0.13
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	17	0.13
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	17	0.13
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	17	0.13
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	17	0.13
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD21	18	0.13
(1,1117)	1:62:A:LEU:HD21	1:63:A:ASN:HD22	18	0.13
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD21	18	0.13
(1,1117)	1:62:A:LEU:HD22	1:63:A:ASN:HD22	18	0.13
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD21	18	0.13
(1,1117)	1:62:A:LEU:HD23	1:63:A:ASN:HD22	18	0.13
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD11	8	0.13
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD12	8	0.13
(1,1102)	1:62:A:LEU:H	1:62:A:LEU:HD13	8	0.13
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	19	0.13
(1,1088)	1:61:A:SER:H	1:61:A:SER:HB2	19	0.13
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	16	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	10	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	10	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	10	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	10	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	10	0.13
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	10	0.13
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG3	5	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD11	7	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD12	7	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD13	7	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD21	7	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD22	7	0.13
(1,1027)	1:57:A:GLU:HG3	1:49:A:LEU:HD23	7	0.13
(1,1013)	1:57:A:GLU:HA	1:49:A:LEU:HA	7	0.13
(1,998)	1:56:A:ALA:H	1:57:A:GLU:H	17	0.13
(1,993)	1:56:A:ALA:H	1:50:A:LEU:HB2	4	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	1	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	1	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	2	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	2	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	6	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	6	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	8	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	8	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	11	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	11	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	16	0.13
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	16	0.13
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA2	18	0.13
(1,978)	1:54:A:ASP:H	1:55:A:GLY:HA3	18	0.13
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	20	0.13
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	11	0.13
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	15	0.13
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	15	0.13
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	15	0.13
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	15	0.13
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	15	0.13
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	15	0.13
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	5	0.13
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	9	0.13
(1,911)	1:49:A:LEU:H	1:48:A:LEU:HG	19	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	1	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	1	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	1	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	1	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	1	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD11	9	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD12	9	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD13	9	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD21	9	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD22	9	0.13
(1,876)	1:48:A:LEU:H	1:48:A:LEU:HD23	9	0.13
(1,871)	1:47:A:TYR:HB2	1:46:A:VAL:HA	3	0.13
(1,851)	1:46:A:VAL:HG21	1:76:A:VAL:HA	11	0.13
(1,851)	1:46:A:VAL:HG22	1:76:A:VAL:HA	11	0.13
(1,851)	1:46:A:VAL:HG23	1:76:A:VAL:HA	11	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG11	12	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG12	12	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG13	12	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG21	12	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG22	12	0.13
(1,808)	1:45:A:GLN:H	1:44:A:VAL:HG23	12	0.13
(1,790)	1:44:A:VAL:H	1:43:A:LYS:HA	2	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	7	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	7	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	7	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	7	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	7	0.13
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	7	0.13
(1,657)	1:37:A:ARG:H	1:37:A:ARG:HB3	17	0.13
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG11	1:32:A:LYS:HE3	9	0.13
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG12	1:32:A:LYS:HE3	9	0.13
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG13	1:32:A:LYS:HE3	9	0.13
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG21	1:32:A:LYS:HE3	9	0.13
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG22	1:32:A:LYS:HE3	9	0.13
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE2	9	0.13
(1,654)	1:36:A:VAL:HG23	1:32:A:LYS:HE3	9	0.13
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	19	0.13
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	15	0.13
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	15	0.13
(1,618)	1:34:A:LEU:HD21	1:44:A:VAL:HA	18	0.13
(1,618)	1:34:A:LEU:HD22	1:44:A:VAL:HA	18	0.13
(1,618)	1:34:A:LEU:HD23	1:44:A:VAL:HA	18	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	5	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	5	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	5	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	5	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	5	0.13
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	5	0.13
(1,503)	1:29:A:ALA:H	1:28:A:GLU:HB2	5	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	16	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	16	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	16	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	16	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	16	0.13
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	16	0.13
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	13	0.13
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	14	0.13
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	6	0.13
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	13	0.13
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	14	0.13
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	19	0.13
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	5	0.13
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	7	0.13
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	7	0.13
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG2	3	0.13
(1,219)	1:15:A:ARG:HD2	1:9:A:GLU:HG3	3	0.13
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG2	3	0.13
(1,219)	1:15:A:ARG:HD3	1:9:A:GLU:HG3	3	0.13
(1,210)	1:15:A:ARG:H	1:14:A:GLN:HG3	4	0.13
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	5	0.13
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	5	0.13
(1,168)	1:13:A:LYS:H	1:12:A:ASN:HA	17	0.13
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	3	0.13
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	14	0.13
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD11	17	0.13
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD12	17	0.13
(1,19)	1:4:A:ARG:HA	1:70:A:ILE:HD13	17	0.13
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	8	0.12
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	19	0.12
(1,1407)	1:74:A:LEU:HD11	1:48:A:LEU:HA	20	0.12
(1,1407)	1:74:A:LEU:HD12	1:48:A:LEU:HA	20	0.12
(1,1407)	1:74:A:LEU:HD13	1:48:A:LEU:HA	20	0.12
(1,1407)	1:74:A:LEU:HD21	1:48:A:LEU:HA	20	0.12
(1,1407)	1:74:A:LEU:HD22	1:48:A:LEU:HA	20	0.12
(1,1407)	1:74:A:LEU:HD23	1:48:A:LEU:HA	20	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	3	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	6	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	11	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	12	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	15	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	18	0.12
(1,1335)	1:72:A:LYS:H	1:71:A:GLY:HA2	20	0.12
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	8	0.12
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	8	0.12
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	8	0.12
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	10	0.12
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	4	0.12
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	4	0.12
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	4	0.12
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD11	11	0.12
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD12	11	0.12
(1,1281)	1:70:A:ILE:H	1:70:A:ILE:HD13	11	0.12
(1,1239)	1:68:A:ARG:H	1:68:A:ARG:HE	14	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG11	2	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG12	2	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG13	2	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG21	2	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG22	2	0.12
(1,1215)	1:67:A:GLU:HA	1:20:A:VAL:HG23	2	0.12
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	2	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	3	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	5	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	7	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	8	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	9	0.12
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	14	0.12
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	1	0.12
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	8	0.12
(1,1124)	1:63:A:ASN:H	1:62:A:LEU:HB2	6	0.12
(1,1124)	1:63:A:ASN:H	1:62:A:LEU:HB2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:62:A:LEU:H	1:62:A:LEU:HB3	17	0.12
(1,1094)	1:61:A:SER:H	1:60:A:LEU:H	17	0.12
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD21	11	0.12
(1,1092)	1:61:A:SER:H	1:63:A:ASN:HD22	11	0.12
(1,1086)	1:61:A:SER:H	1:64:A:HIS:HB2	12	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD11	17	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD12	17	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD13	17	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD21	17	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD22	17	0.12
(1,1080)	1:61:A:SER:H	1:60:A:LEU:HD23	17	0.12
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG2	8	0.12
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG3	8	0.12
(1,1012)	1:57:A:GLU:HA	1:47:A:TYR:HA	12	0.12
(1,1010)	1:57:A:GLU:H	1:47:A:TYR:HA	11	0.12
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	4	0.12
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	4	0.12
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	4	0.12
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	4	0.12
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	4	0.12
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	4	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	4	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	4	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	9	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	9	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB2	13	0.12
(1,985)	1:55:A:GLY:H	1:54:A:ASP:HB3	13	0.12
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	20	0.12
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	17	0.12
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	19	0.12
(1,936)	1:50:A:LEU:H	1:50:A:LEU:HA	15	0.12
(1,913)	1:49:A:LEU:H	1:48:A:LEU:HB2	20	0.12
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	20	0.12
(1,854)	1:47:A:TYR:H	1:75:A:LYS:HG3	19	0.12
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	15	0.12
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD1	9	0.12
(1,830)	1:45:A:GLN:HG2	1:47:A:TYR:HD2	9	0.12
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	20	0.12
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	4	0.12
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	15	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	2	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	2	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	2	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	2	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	2	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	5	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	9	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG11	18	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG12	18	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG13	18	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG21	18	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG22	18	0.12
(1,671)	1:38:A:GLY:H	1:36:A:VAL:HG23	18	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	2	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	3	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	5	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	6	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	7	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	9	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	14	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	16	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	17	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	18	0.12
(1,650)	1:36:A:VAL:HA	1:36:A:VAL:HB	19	0.12
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	8	0.12
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	13	0.12
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	15	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD11	3	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD12	3	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD13	3	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD21	3	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD22	3	0.12
(1,595)	1:34:A:LEU:H	1:34:A:LEU:HD23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	1	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	2	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	3	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	4	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	5	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	6	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	7	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	8	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	9	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	10	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	13	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	14	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	15	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	16	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	17	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	18	0.12
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	20	0.12
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	2	0.12
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	2	0.12
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD2	1	0.12
(1,556)	1:31:A:LYS:HA	1:32:A:LYS:HD3	1	0.12
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	5	0.12
(1,503)	1:29:A:ALA:H	1:28:A:GLU:HB2	2	0.12
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG21	6	0.12
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG22	6	0.12
(1,423)	1:26:A:LEU:H	1:25:A:THR:HG23	6	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	11	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	11	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	11	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	11	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	11	0.12
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	11	0.12
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	20	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	2	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	4	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	5	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	7	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	10	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	13	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	14	0.12
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	16	0.12
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG11	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG12	10	0.12
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG13	10	0.12
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG21	10	0.12
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG22	10	0.12
(1,338)	1:21:A:ARG:H	1:20:A:VAL:HG23	10	0.12
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	4	0.12
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	7	0.12
(1,316)	1:20:A:VAL:H	1:20:A:VAL:HA	8	0.12
(1,313)	1:20:A:VAL:H	1:5:A:THR:HA	11	0.12
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	10	0.12
(1,273)	1:18:A:ILE:HA	1:7:A:GLU:HA	17	0.12
(1,264)	1:18:A:ILE:H	1:5:A:THR:HA	14	0.12
(1,246)	1:17:A:VAL:H	1:17:A:VAL:HB	10	0.12
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB2	15	0.12
(1,229)	1:16:A:THR:H	1:15:A:ARG:HB3	15	0.12
(1,224)	1:16:A:THR:H	1:17:A:VAL:HA	11	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	3	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	3	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	9	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	9	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	13	0.12
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	13	0.12
(1,136)	1:9:A:GLU:H	1:8:A:VAL:HB	18	0.12
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	4	0.12
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	19	0.12
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	11	0.12
(1,1496)	1:79:A:LEU:H	1:45:A:GLN:H	18	0.11
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	2	0.11
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	10	0.11
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	14	0.11
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	15	0.11
(1,1439)	1:76:A:VAL:H	1:75:A:LYS:HG2	8	0.11
(1,1425)	1:75:A:LYS:HA	1:76:A:VAL:HB	1	0.11
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	5	0.11
(1,1374)	1:73:A:LYS:H	1:72:A:LYS:H	10	0.11
(1,1368)	1:73:A:LYS:H	1:73:A:LYS:HG2	1	0.11
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	1	0.11
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	1	0.11
(1,1319)	1:71:A:GLY:H	1:71:A:GLY:HA3	7	0.11
(1,1312)	1:70:A:ILE:HG21	1:4:A:ARG:HA	18	0.11
(1,1312)	1:70:A:ILE:HG22	1:4:A:ARG:HA	18	0.11
(1,1312)	1:70:A:ILE:HG23	1:4:A:ARG:HA	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD11	17	0.11
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD12	17	0.11
(1,1280)	1:69:A:LEU:HD21	1:74:A:LEU:HD13	17	0.11
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD11	17	0.11
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD12	17	0.11
(1,1280)	1:69:A:LEU:HD22	1:74:A:LEU:HD13	17	0.11
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD11	17	0.11
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD12	17	0.11
(1,1280)	1:69:A:LEU:HD23	1:74:A:LEU:HD13	17	0.11
(1,1279)	1:69:A:LEU:HD21	1:26:A:LEU:HB3	10	0.11
(1,1279)	1:69:A:LEU:HD22	1:26:A:LEU:HB3	10	0.11
(1,1279)	1:69:A:LEU:HD23	1:26:A:LEU:HB3	10	0.11
(1,1268)	1:69:A:LEU:H	1:68:A:ARG:HE	4	0.11
(1,1262)	1:69:A:LEU:H	1:69:A:LEU:HB2	18	0.11
(1,1233)	1:68:A:ARG:H	1:68:A:ARG:HB3	13	0.11
(1,1217)	1:67:A:GLU:HA	1:70:A:ILE:HB	11	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD11	20	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD12	20	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD13	20	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD21	20	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD22	20	0.11
(1,1182)	1:66:A:ALA:H	1:69:A:LEU:HD23	20	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	3	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	4	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	6	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	7	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	8	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	9	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	10	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	13	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	14	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	15	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	16	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	17	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	18	0.11
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	20	0.11
(1,1154)	1:64:A:HIS:H	1:61:A:SER:HB2	6	0.11
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	4	0.11
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	15	0.11
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	16	0.11
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	20	0.11
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD21	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD22	18	0.11
(1,1121)	1:63:A:ASN:H	1:62:A:LEU:HD23	18	0.11
(1,1108)	1:62:A:LEU:H	1:61:A:SER:HB2	8	0.11
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	4	0.11
(1,1091)	1:61:A:SER:H	1:63:A:ASN:HA	6	0.11
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB1	6	0.11
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB2	6	0.11
(1,1005)	1:57:A:GLU:H	1:56:A:ALA:HB3	6	0.11
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	8	0.11
(1,956)	1:51:A:SER:H	1:51:A:SER:HG	17	0.11
(1,954)	1:51:A:SER:H	1:51:A:SER:HB2	9	0.11
(1,954)	1:51:A:SER:H	1:51:A:SER:HB3	9	0.11
(1,953)	1:51:A:SER:H	1:50:A:LEU:HB3	18	0.11
(1,950)	1:50:A:LEU:HD11	1:50:A:LEU:HA	4	0.11
(1,950)	1:50:A:LEU:HD12	1:50:A:LEU:HA	4	0.11
(1,950)	1:50:A:LEU:HD13	1:50:A:LEU:HA	4	0.11
(1,950)	1:50:A:LEU:HD21	1:50:A:LEU:HA	4	0.11
(1,950)	1:50:A:LEU:HD22	1:50:A:LEU:HA	4	0.11
(1,950)	1:50:A:LEU:HD23	1:50:A:LEU:HA	4	0.11
(1,938)	1:50:A:LEU:H	1:51:A:SER:H	6	0.11
(1,907)	1:48:A:LEU:HD11	1:72:A:LYS:HA	12	0.11
(1,907)	1:48:A:LEU:HD12	1:72:A:LYS:HA	12	0.11
(1,907)	1:48:A:LEU:HD13	1:72:A:LYS:HA	12	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD11	6	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD12	6	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD13	6	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD21	6	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD22	6	0.11
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD23	6	0.11
(1,884)	1:48:A:LEU:H	1:59:A:PRO:HA	1	0.11
(1,883)	1:48:A:LEU:H	1:47:A:TYR:HB2	6	0.11
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD1	12	0.11
(1,862)	1:47:A:TYR:H	1:47:A:TYR:HD2	12	0.11
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	20	0.11
(1,835)	1:46:A:VAL:H	1:45:A:GLN:HB3	9	0.11
(1,784)	1:44:A:VAL:H	1:43:A:LYS:HB3	5	0.11
(1,760)	1:43:A:LYS:H	1:41:A:PRO:HA	8	0.11
(1,759)	1:43:A:LYS:H	1:43:A:LYS:HD3	6	0.11
(1,757)	1:44:A:VAL:H	1:40:A:ASP:HB3	13	0.11
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG11	7	0.11
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG12	7	0.11
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG13	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG21	7	0.11
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG22	7	0.11
(1,752)	1:43:A:LYS:H	1:44:A:VAL:HG23	7	0.11
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD11	15	0.11
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD12	15	0.11
(1,670)	1:38:A:GLY:H	1:34:A:LEU:HD13	15	0.11
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB2	6	0.11
(1,658)	1:37:A:ARG:H	1:35:A:LYS:HB3	6	0.11
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	5	0.11
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	5	0.11
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	1	0.11
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	7	0.11
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	9	0.11
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	14	0.11
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	16	0.11
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	14	0.11
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	5	0.11
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	5	0.11
(1,565)	1:32:A:LYS:H	1:34:A:LEU:HD21	20	0.11
(1,565)	1:32:A:LYS:H	1:34:A:LEU:HD22	20	0.11
(1,565)	1:32:A:LYS:H	1:34:A:LEU:HD23	20	0.11
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG2	10	0.11
(1,559)	1:31:A:LYS:HB2	1:35:A:LYS:HG3	10	0.11
(1,502)	1:29:A:ALA:H	1:28:A:GLU:HB3	18	0.11
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	8	0.11
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	8	0.11
(1,448)	1:27:A:LYS:H	1:26:A:LEU:HG	13	0.11
(1,413)	1:25:A:THR:H	1:25:A:THR:HB	2	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	4	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD11	8	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD12	8	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD13	8	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD21	8	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD22	8	0.11
(1,407)	1:25:A:THR:H	1:24:A:LEU:HD23	8	0.11
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	1	0.11
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	12	0.11
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	17	0.11
(1,373)	1:23:A:GLY:H	1:22:A:PRO:HB2	18	0.11
(1,358)	1:22:A:PRO:HD3	1:4:A:ARG:HG2	9	0.11
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB2	19	0.11
(1,318)	1:20:A:VAL:H	1:19:A:ASN:HB3	19	0.11
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	6	0.11
(1,312)	1:20:A:VAL:H	1:21:A:ARG:H	13	0.11
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB2	3	0.11
(1,299)	1:19:A:ASN:H	1:19:A:ASN:HB3	3	0.11
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG21	11	0.11
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG22	11	0.11
(1,270)	1:18:A:ILE:H	1:18:A:ILE:HG23	11	0.11
(1,224)	1:16:A:THR:H	1:17:A:VAL:HA	5	0.11
(1,224)	1:16:A:THR:H	1:17:A:VAL:HA	14	0.11
(1,224)	1:16:A:THR:H	1:17:A:VAL:HA	16	0.11
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	10	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG11	20	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG12	20	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG13	20	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG21	20	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG22	20	0.11
(1,160)	1:10:A:LEU:HA	1:8:A:VAL:HG23	20	0.11
(1,98)	1:7:A:GLU:H	1:6:A:ILE:HG12	6	0.11
(1,98)	1:7:A:GLU:H	1:6:A:ILE:HG13	6	0.11
(1,96)	1:7:A:GLU:H	1:74:A:LEU:HG	9	0.11
(1,88)	1:7:A:GLU:H	1:72:A:LYS:H	6	0.11
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD11	8	0.11
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD12	8	0.11
(1,78)	1:6:A:ILE:HG21	1:18:A:ILE:HD13	8	0.11
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD11	8	0.11
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD12	8	0.11
(1,78)	1:6:A:ILE:HG22	1:18:A:ILE:HD13	8	0.11
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD11	8	0.11
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD12	8	0.11
(1,78)	1:6:A:ILE:HG23	1:18:A:ILE:HD13	8	0.11
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	16	0.11
(1,61)	1:6:A:ILE:H	1:18:A:ILE:H	6	0.11
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG21	1	0.11
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG22	1	0.11
(1,24)	1:4:A:ARG:HB2	1:70:A:ILE:HG23	1	0.11
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:76:A:VAL:H	1:75:A:LYS:H	13	0.1
(1,1396)	1:74:A:LEU:H	1:8:A:VAL:HA	6	0.1
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG12	12	0.1
(1,1328)	1:72:A:LYS:H	1:6:A:ILE:HG13	12	0.1
(1,1238)	1:68:A:ARG:H	1:70:A:ILE:H	1	0.1
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	1	0.1
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	5	0.1
(1,1164)	1:64:A:HIS:HA	1:64:A:HIS:HB2	12	0.1
(1,1149)	1:64:A:HIS:H	1:65:A:PRO:HB2	17	0.1
(1,1127)	1:63:A:ASN:H	1:64:A:HIS:HB2	13	0.1
(1,1085)	1:61:A:SER:H	1:64:A:HIS:HB3	5	0.1
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG2	13	0.1
(1,1066)	1:60:A:LEU:H	1:59:A:PRO:HG3	13	0.1
(1,1012)	1:57:A:GLU:HA	1:47:A:TYR:HA	20	0.1
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB2	1	0.1
(1,1002)	1:56:A:ALA:HB1	1:51:A:SER:HB3	1	0.1
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB2	1	0.1
(1,1002)	1:56:A:ALA:HB2	1:51:A:SER:HB3	1	0.1
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB2	1	0.1
(1,1002)	1:56:A:ALA:HB3	1:51:A:SER:HB3	1	0.1
(1,955)	1:51:A:SER:H	1:50:A:LEU:HA	8	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD11	16	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD12	16	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD13	16	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD21	16	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD22	16	0.1
(1,909)	1:49:A:LEU:H	1:49:A:LEU:HD23	16	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD11	2	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD12	2	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD13	2	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD21	2	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD22	2	0.1
(1,893)	1:48:A:LEU:HA	1:74:A:LEU:HD23	2	0.1
(1,856)	1:47:A:TYR:H	1:47:A:TYR:HB3	16	0.1
(1,673)	1:38:A:GLY:H	1:37:A:ARG:HG3	13	0.1
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB2	2	0.1
(1,644)	1:36:A:VAL:H	1:35:A:LYS:HB3	2	0.1
(1,625)	1:35:A:LYS:H	1:35:A:LYS:HA	12	0.1
(1,598)	1:34:A:LEU:H	1:34:A:LEU:HB3	3	0.1
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD11	15	0.1
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD12	15	0.1
(1,589)	1:33:A:ALA:HB1	1:34:A:LEU:HD13	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD11	15	0.1
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD12	15	0.1
(1,589)	1:33:A:ALA:HB2	1:34:A:LEU:HD13	15	0.1
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD11	15	0.1
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD12	15	0.1
(1,589)	1:33:A:ALA:HB3	1:34:A:LEU:HD13	15	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD11	11	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD12	11	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD13	11	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD21	11	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD22	11	0.1
(1,588)	1:33:A:ALA:HB1	1:30:A:LEU:HD23	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD11	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD12	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD13	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD21	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD22	11	0.1
(1,588)	1:33:A:ALA:HB2	1:30:A:LEU:HD23	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD11	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD12	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD13	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD21	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD22	11	0.1
(1,588)	1:33:A:ALA:HB3	1:30:A:LEU:HD23	11	0.1
(1,581)	1:33:A:ALA:H	1:33:A:ALA:HA	12	0.1
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	4	0.1
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	4	0.1
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB2	9	0.1
(1,579)	1:33:A:ALA:H	1:32:A:LYS:HB3	9	0.1
(1,519)	1:30:A:LEU:H	1:26:A:LEU:HA	20	0.1
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB2	9	0.1
(1,492)	1:28:A:GLU:HA	1:24:A:LEU:HB3	9	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD11	3	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD12	3	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD13	3	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD21	3	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD22	3	0.1
(1,421)	1:26:A:LEU:H	1:26:A:LEU:HD23	3	0.1
(1,411)	1:25:A:THR:H	1:28:A:GLU:HB2	12	0.1
(1,334)	1:21:A:ARG:H	1:21:A:ARG:HB3	9	0.1
(1,206)	1:15:A:ARG:H	1:14:A:GLN:H	12	0.1
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE21	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:14:A:GLN:H	1:14:A:GLN:HE22	19	0.1
(1,69)	1:6:A:ILE:H	1:6:A:ILE:HB	15	0.1
(1,13)	1:4:A:ARG:H	1:4:A:ARG:HG2	7	0.1
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG21	9	0.1
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG22	9	0.1
(1,5)	1:3:A:ASP:HB2	1:5:A:THR:HG23	9	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found