Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 06:48 AM UTC

PDB ID	:	2M17 / pdb_00002m17
BMRB ID	:	18844
Title	:	ubiquitin-like domain-containing C-terminal domain phosphatase (UBLCP1)
Authors	:	Lee, W.; Yun, J.
Deposited on	:	2012-11-19

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

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

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

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

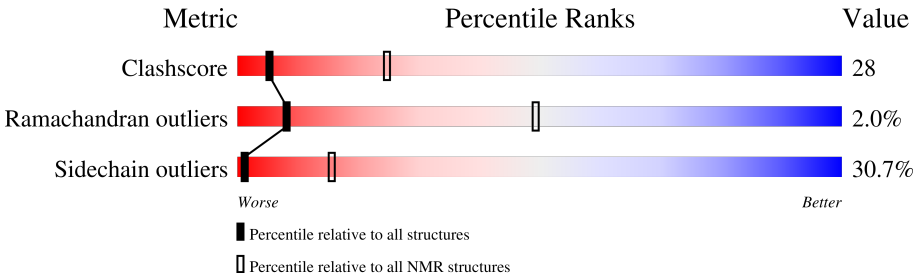
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 82%.

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	82	48% 34% 10% • 7%

2 Ensemble composition and analysis

This entry contains 20 models. Model 16 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:2-A:77 (76)	0.19	16

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

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

The models can be grouped into 3 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1308 atoms, of which 680 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Ubiquitin-like domain-containing CTD phosphatase 1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	82	1308	402	680	105	117	4	1

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	90	NH2	-	amidation	UNP Q8WVY7

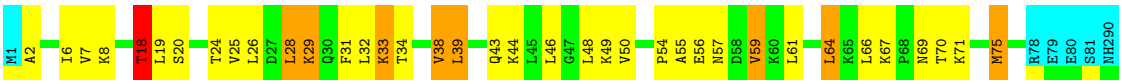
4 Residue-property plots

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: Ubiquitin-like domain-containing CTD phosphatase 1

Chain A:



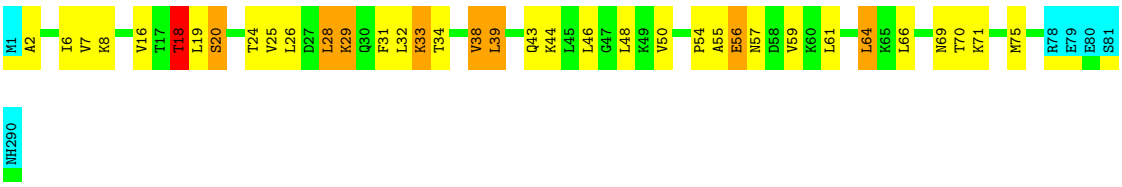
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

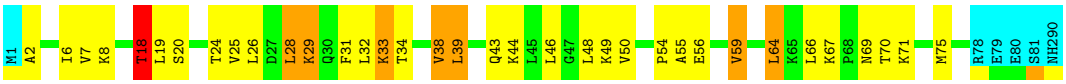
Chain A:



4.2.2 Score per residue for model 2

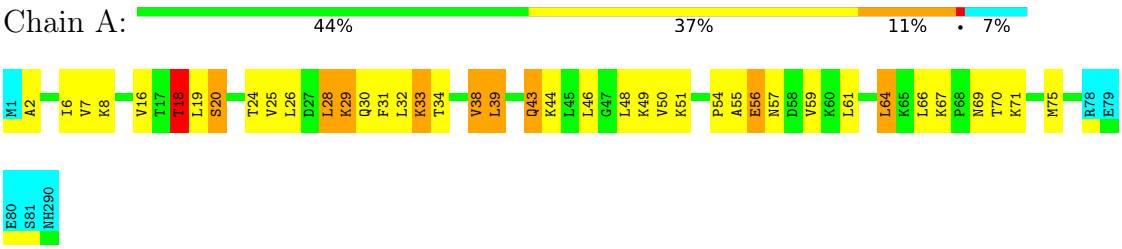
• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

Chain A:



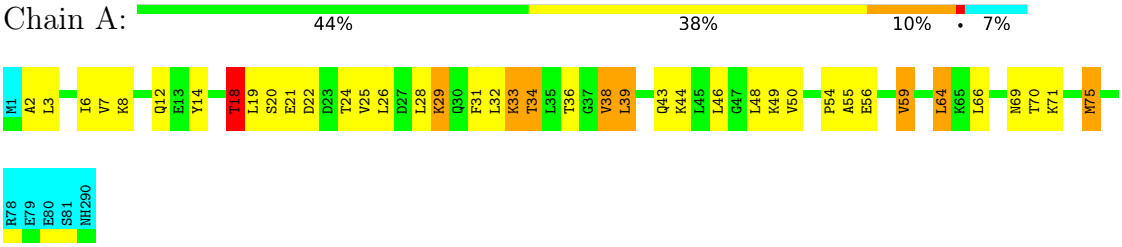
4.2.3 Score per residue for model 3

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



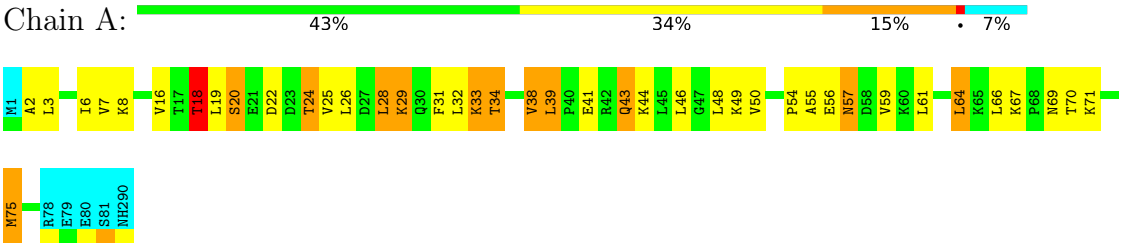
4.2.4 Score per residue for model 4

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



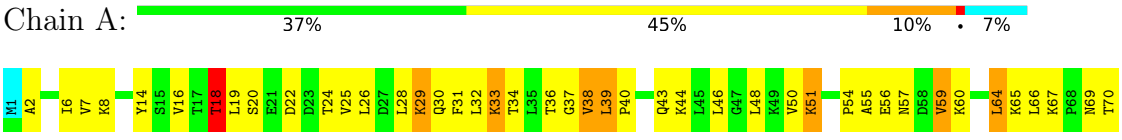
4.2.5 Score per residue for model 5

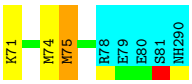
• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



4.2.6 Score per residue for model 6

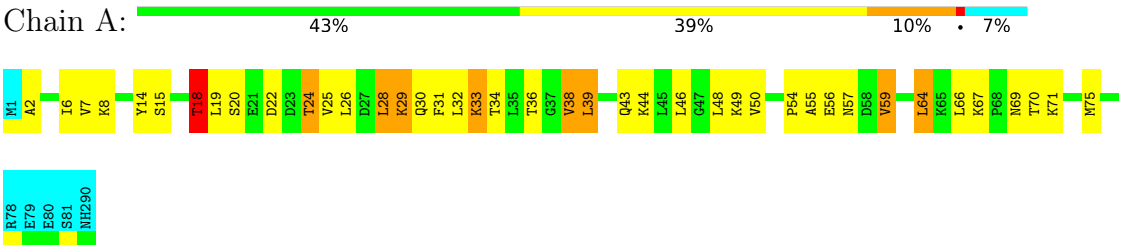
• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1





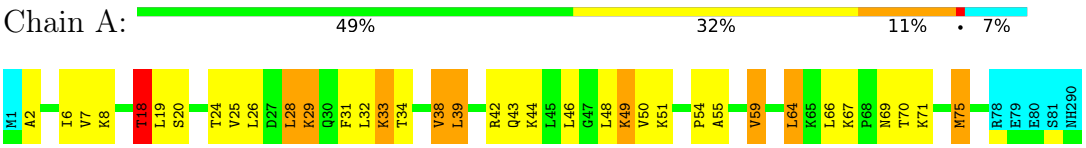
4.2.7 Score per residue for model 7

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



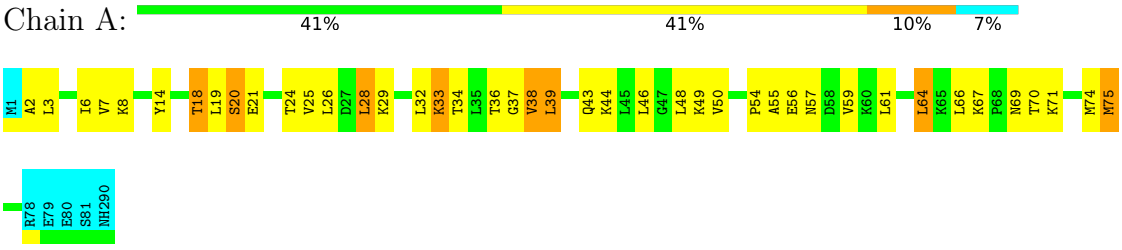
4.2.8 Score per residue for model 8

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



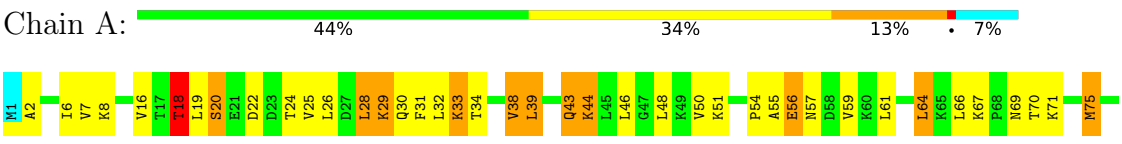
4.2.9 Score per residue for model 9

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



4.2.10 Score per residue for model 10

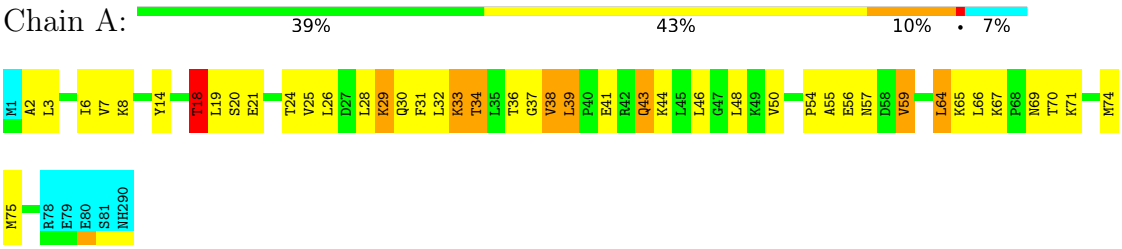
• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1



4.2.11 Score per residue for model 11

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

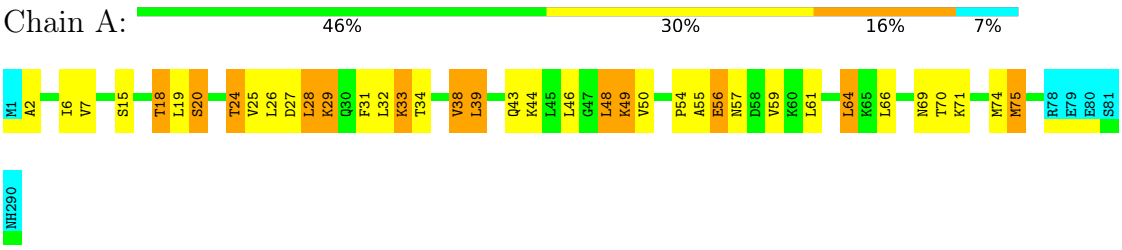
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

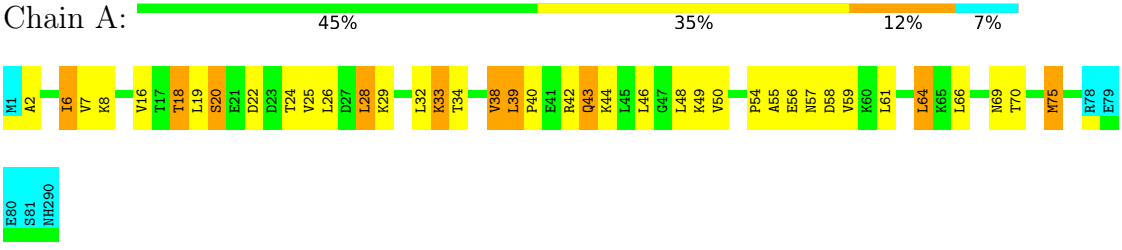
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

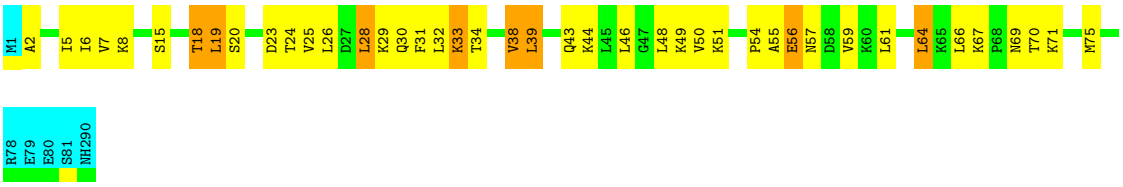
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

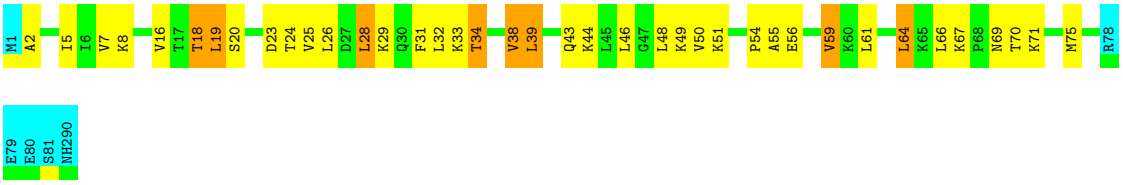
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

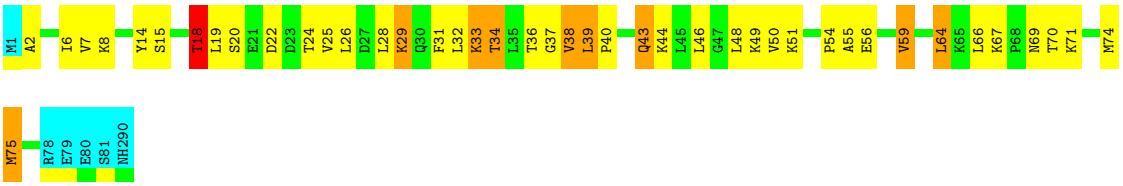
Chain A:



4.2.16 Score per residue for model 16 (medoid)

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

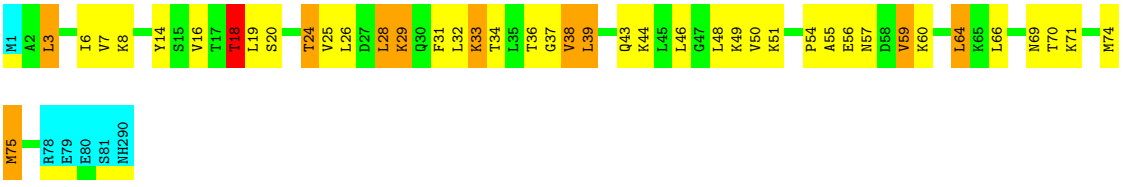
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

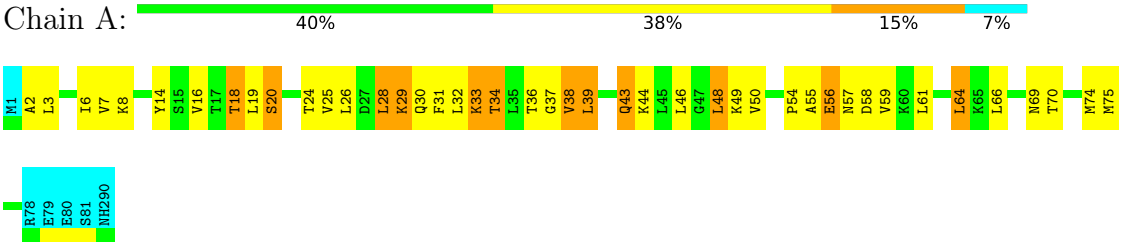
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

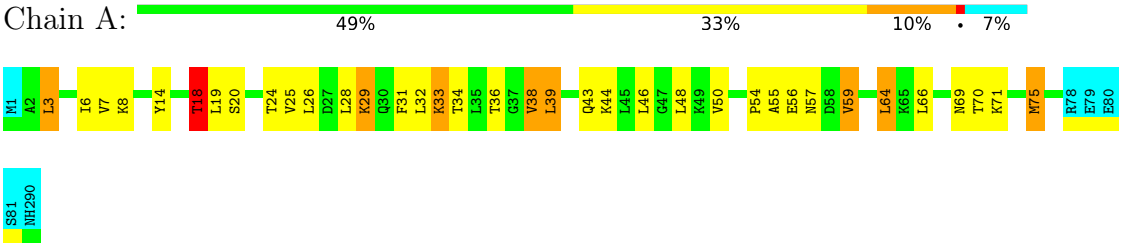
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

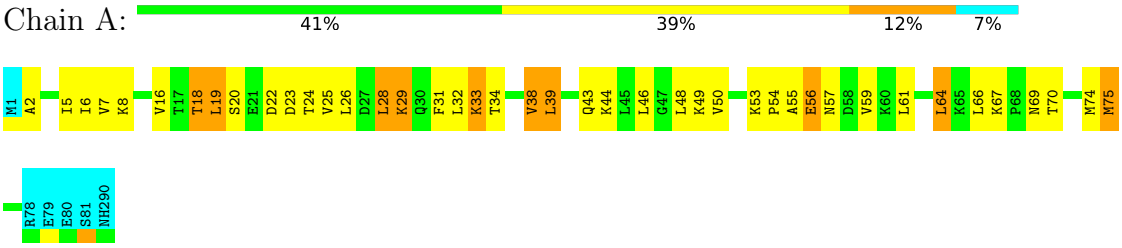
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Ubiquitin-like domain-containing CTD phosphatase 1

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 100 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	structure solution	
CNS	refinement	

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	900
Number of shifts mapped to atoms	900
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	82%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: NH2

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	584	640	640	35±4
All	All	11680	12800	12800	696

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 28.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:50:VAL:HG21	1:A:66:LEU:HD21	0.87	1.45	13	15
1:A:25:VAL:HG22	1:A:64:LEU:HD11	0.84	1.49	20	20
1:A:50:VAL:HG11	1:A:66:LEU:HD21	0.78	1.56	2	5
1:A:39:LEU:H	1:A:39:LEU:HD13	0.78	1.38	7	20
1:A:5:ILE:HD12	1:A:28:LEU:HD22	0.77	1.57	20	3
1:A:48:LEU:HD22	1:A:48:LEU:C	0.77	2.04	12	1
1:A:50:VAL:HG21	1:A:66:LEU:HD11	0.76	1.56	15	5
1:A:7:VAL:HG21	1:A:32:LEU:HD13	0.76	1.57	18	20
1:A:38:VAL:HG13	1:A:43:GLN:HG2	0.69	1.64	12	20
1:A:19:LEU:CB	1:A:28:LEU:HD12	0.68	2.18	14	20
1:A:50:VAL:HG11	1:A:66:LEU:CD2	0.66	2.21	2	4
1:A:46:LEU:HD21	1:A:75:MET:CG	0.65	2.22	16	13

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:18:THR:HG21	1:A:31:PHE:CZ	0.65	2.26	15	18
1:A:46:LEU:HD11	1:A:75:MET:HG2	0.64	1.69	7	7
1:A:2:ALA:HB1	1:A:19:LEU:O	0.64	1.93	18	18
1:A:46:LEU:HD11	1:A:75:MET:CG	0.63	2.23	10	7
1:A:50:VAL:HG21	1:A:66:LEU:CD2	0.62	2.24	10	11
1:A:25:VAL:HG12	1:A:29:LYS:HD2	0.60	1.73	11	12
1:A:19:LEU:HD13	1:A:28:LEU:HA	0.59	1.75	15	3
1:A:66:LEU:HD22	1:A:70:THR:HG21	0.58	1.75	2	2
1:A:18:THR:HG21	1:A:31:PHE:CE1	0.58	2.34	20	3
1:A:38:VAL:HG13	1:A:43:GLN:CG	0.57	2.30	10	1
1:A:25:VAL:HG21	1:A:64:LEU:HD21	0.56	1.75	12	10
1:A:48:LEU:O	1:A:55:ALA:HB3	0.56	2.01	17	19
1:A:28:LEU:HD13	1:A:61:LEU:CD1	0.56	2.31	15	3
1:A:7:VAL:HG21	1:A:32:LEU:CD1	0.55	2.31	18	20
1:A:37:GLY:HA3	1:A:74:MET:HE1	0.55	1.79	16	6
1:A:28:LEU:HD23	1:A:32:LEU:HD23	0.55	1.79	12	17
1:A:19:LEU:HD23	1:A:23:ASP:HB2	0.54	1.79	14	3
1:A:6:ILE:HD12	1:A:69:ASN:HA	0.53	1.80	10	19
1:A:14:TYR:CD1	1:A:36:THR:HG21	0.53	2.39	6	4
1:A:69:ASN:O	1:A:70:THR:C	0.53	2.52	17	20
1:A:19:LEU:HB3	1:A:28:LEU:HD12	0.53	1.81	14	19
1:A:25:VAL:CG2	1:A:64:LEU:HD11	0.52	2.35	9	18
1:A:50:VAL:HG21	1:A:66:LEU:CG	0.52	2.35	8	5
1:A:20:SER:C	1:A:61:LEU:HD12	0.52	2.30	10	8
1:A:46:LEU:HD21	1:A:75:MET:HG3	0.52	1.82	17	13
1:A:19:LEU:HB2	1:A:28:LEU:HD12	0.51	1.82	15	3
1:A:43:GLN:CD	1:A:43:GLN:C	0.51	2.78	3	6
1:A:48:LEU:C	1:A:48:LEU:CD2	0.51	2.76	12	1
1:A:39:LEU:H	1:A:39:LEU:CD1	0.50	2.14	10	9
1:A:66:LEU:HD13	1:A:70:THR:HG21	0.50	1.83	10	14
1:A:25:VAL:HG23	1:A:59:VAL:O	0.50	2.07	6	10
1:A:50:VAL:HG22	1:A:51:LYS:HG2	0.50	1.83	6	3
1:A:5:ILE:HB	1:A:28:LEU:HD21	0.50	1.84	15	3
1:A:7:VAL:CG2	1:A:32:LEU:HD13	0.49	2.36	17	18
1:A:32:LEU:HD12	1:A:33:LYS:N	0.49	2.23	9	19
1:A:7:VAL:CG2	1:A:74:MET:HE2	0.48	2.37	17	7
1:A:50:VAL:HG21	1:A:66:LEU:HG	0.48	1.86	8	1
1:A:5:ILE:HD12	1:A:28:LEU:CD2	0.48	2.36	20	3
1:A:39:LEU:HD22	1:A:39:LEU:N	0.48	2.24	10	20
1:A:54:PRO:O	1:A:55:ALA:C	0.47	2.57	14	20
1:A:14:TYR:CG	1:A:36:THR:HG21	0.47	2.45	7	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:3:LEU:HD12	1:A:21:GLU:HG2	0.47	1.86	11	1
1:A:28:LEU:HD13	1:A:61:LEU:HD13	0.47	1.85	15	1
1:A:55:ALA:HA	1:A:59:VAL:HG21	0.47	1.87	12	10
1:A:46:LEU:HD21	1:A:75:MET:HG2	0.46	1.87	16	13
1:A:28:LEU:HD23	1:A:32:LEU:CD2	0.46	2.41	16	9
1:A:50:VAL:HG11	1:A:66:LEU:HG	0.46	1.87	7	6
1:A:43:GLN:HE21	1:A:44:LYS:N	0.46	2.07	10	1
1:A:25:VAL:HG12	1:A:29:LYS:CD	0.46	2.41	7	9
1:A:46:LEU:HD11	1:A:75:MET:HG3	0.45	1.88	5	14
1:A:24:THR:HG22	1:A:59:VAL:O	0.45	2.11	5	4
1:A:37:GLY:CA	1:A:74:MET:HE1	0.45	2.42	16	2
1:A:61:LEU:HA	1:A:64:LEU:HD12	0.45	1.89	20	1
1:A:3:LEU:O	1:A:3:LEU:HG	0.45	2.12	17	2
1:A:16:VAL:HG21	1:A:32:LEU:CD2	0.45	2.42	5	8
1:A:16:VAL:HG21	1:A:32:LEU:HD23	0.45	1.88	18	7
1:A:66:LEU:HD22	1:A:70:THR:CG2	0.44	2.42	19	1
1:A:59:VAL:HG11	1:A:64:LEU:HD23	0.44	1.90	18	5
1:A:25:VAL:CG2	1:A:64:LEU:HD21	0.44	2.43	12	3
1:A:38:VAL:CG2	1:A:39:LEU:HD22	0.43	2.44	2	14
1:A:48:LEU:HD12	1:A:49:LYS:N	0.43	2.29	8	1
1:A:19:LEU:HD23	1:A:23:ASP:CB	0.43	2.44	20	1
1:A:14:TYR:CD2	1:A:36:THR:HG21	0.42	2.49	11	4
1:A:7:VAL:HG11	1:A:32:LEU:HD13	0.42	1.91	9	2
1:A:55:ALA:HB1	1:A:64:LEU:HD22	0.42	1.92	14	3
1:A:31:PHE:O	1:A:34:THR:HG22	0.42	2.15	5	6
1:A:50:VAL:HG12	1:A:51:LYS:HG2	0.42	1.91	17	1
1:A:48:LEU:HD22	1:A:49:LYS:N	0.41	2.29	12	1
1:A:29:LYS:O	1:A:33:LYS:HB3	0.41	2.16	3	6
1:A:60:LYS:O	1:A:64:LEU:HG	0.40	2.17	6	1
1:A:40:PRO:O	1:A:43:GLN:O	0.40	2.39	6	3
1:A:32:LEU:CD1	1:A:74:MET:HE1	0.40	2.47	12	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	76/82 (93%)	65±1 (86±1%)	10±1 (12±1%)	2±0 (2±1%)	8 49
All	All	1520/1640 (93%)	1300 (86%)	190 (12%)	30 (2%)	8 49

All 3 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	18	THR	20
1	A	56	GLU	9
1	A	57	ASN	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	66/71 (93%)	46±2 (69±2%)	20±2 (31±2%)	1 15
All	All	1320/1420 (93%)	915 (69%)	405 (31%)	1 15

All 38 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	20	SER	20
1	A	24	THR	20
1	A	26	LEU	20
1	A	29	LYS	20
1	A	33	LYS	20
1	A	34	THR	20
1	A	38	VAL	20
1	A	39	LEU	20
1	A	44	LYS	20
1	A	64	LEU	20
1	A	8	LYS	19
1	A	56	GLU	17
1	A	71	LYS	17
1	A	18	THR	15
1	A	28	LEU	15

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Mol	Chain	Res	Type	Models (Total)
1	A	57	ASN	15
1	A	49	LYS	15
1	A	67	LYS	13
1	A	75	MET	12
1	A	59	VAL	10
1	A	22	ASP	8
1	A	30	GLN	7
1	A	43	GLN	7
1	A	3	LEU	6
1	A	51	LYS	5
1	A	15	SER	4
1	A	19	LEU	3
1	A	21	GLU	2
1	A	41	GLU	2
1	A	65	LYS	2
1	A	42	ARG	2
1	A	48	LEU	2
1	A	58	ASP	2
1	A	12	GLN	1
1	A	27	ASP	1
1	A	6	ILE	1
1	A	60	LYS	1
1	A	53	LYS	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 (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 82% for the well-defined parts and 79% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	900
Number of shifts mapped to atoms	900
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	80	-0.57 ± 0.12	Should be checked
$^{13}C_{\beta}$	73	0.00 ± 0.14	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	76	0.25 ± 0.42	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 82%, i.e. 866 atoms were assigned a chemical shift out of a possible 1062. 0 out of 19 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	303/379 (80%)	155/155 (100%)	76/152 (50%)	72/72 (100%)
Sidechain	555/652 (85%)	383/427 (90%)	172/206 (83%)	0/19 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	8/31 (26%)	7/15 (47%)	0/15 (0%)	1/1 (100%)
Overall	866/1062 (82%)	545/597 (91%)	248/373 (66%)	73/92 (79%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 899 atoms were assigned a chemical shift out of a possible 1132. 0 out of 19 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	318/404 (79%)	162/165 (98%)	80/162 (49%)	76/77 (99%)
Sidechain	573/697 (82%)	395/455 (87%)	178/220 (81%)	0/22 (0%)
Aromatic	8/31 (26%)	7/15 (47%)	0/15 (0%)	1/1 (100%)
Overall	899/1132 (79%)	564/635 (89%)	258/397 (65%)	77/100 (77%)

7.1.4 Statistically unusual chemical shifts (i)

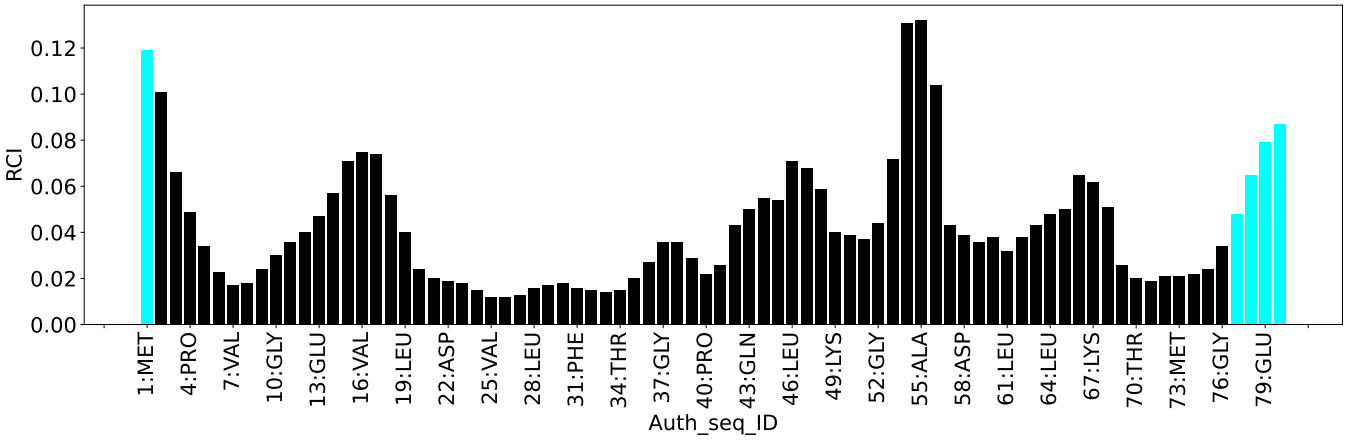
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	36	THR	HB	2.44	2.57 – 5.77	-5.4

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.00
0.02
0.04
0.06
0.08
0.10
0.12
1:MET
4:PRO
7:VAL
10:GLY
13:GLU
16:VAL
19:LEU
22:ASP
25:VAL
28:LEU
31:PHE
34:THR
37:GLY
40:PRO
43:GLN
46:LEU
49:LYS
52:GLY
55:ALA
58:ASP
61:LEU
64:LEU
67:LYS
70:THR
73:MET
76:GLY
79:GLU
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1886
Intra-residue (|i-j|=0)	403
Sequential (|i-j|=1)	498
Medium range (|i-j|>1 and |i-j|<5)	339
Long range (|i-j|≥5)	646
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	100
Number of unmapped restraints	0
Number of restraints per residue	24.2
Number of long range restraints per residue[1]	7.9

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	51.1	0.2
0.2-0.5 (Medium)	112.6	0.5
>0.5 (Large)	281.1	15.73

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

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	31.1	9.96
10.0-20.0 (Medium)	1.0	12.88
>20.0 (Large)	None	None

9 Distance violation analysis (i)

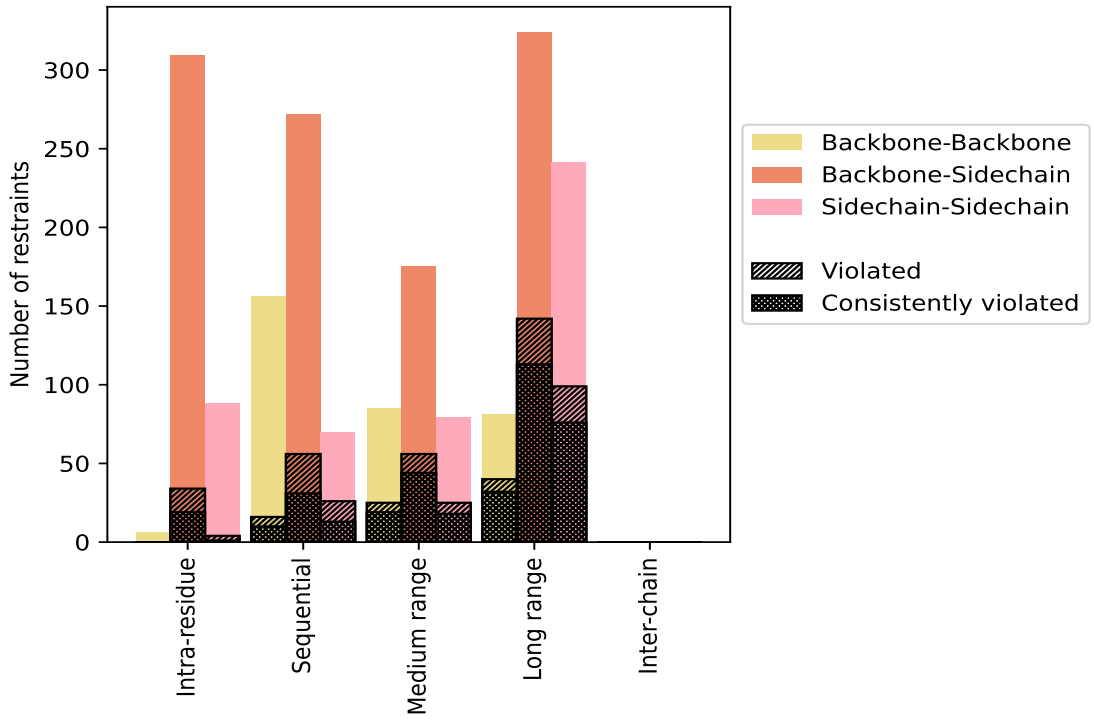
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	403	21.4	38	9.4	2.0	20	5.0	1.1
Backbone-Backbone	6	0.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	309	16.4	34	11.0	1.8	19	6.1	1.0
Sidechain-Sidechain	88	4.7	4	4.5	0.2	1	1.1	0.1
Sequential (|i-j|=1)	498	26.4	98	19.7	5.2	54	10.8	2.9
Backbone-Backbone	156	8.3	16	10.3	0.8	10	6.4	0.5
Backbone-Sidechain	272	14.4	56	20.6	3.0	31	11.4	1.6
Sidechain-Sidechain	70	3.7	26	37.1	1.4	13	18.6	0.7
Medium range (|i-j|>1 & |i-j|<5)	339	18.0	106	31.3	5.6	81	23.9	4.3
Backbone-Backbone	85	4.5	25	29.4	1.3	19	22.4	1.0
Backbone-Sidechain	175	9.3	56	32.0	3.0	44	25.1	2.3
Sidechain-Sidechain	79	4.2	25	31.6	1.3	18	22.8	1.0
Long range (|i-j|≥5)	646	34.3	281	43.5	14.9	221	34.2	11.7
Backbone-Backbone	81	4.3	40	49.4	2.1	32	39.5	1.7
Backbone-Sidechain	324	17.2	142	43.8	7.5	113	34.9	6.0
Sidechain-Sidechain	241	12.8	99	41.1	5.2	76	31.5	4.0
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	1886	100.0	523	27.7	27.7	376	19.9	19.9
Backbone-Backbone	328	17.4	81	24.7	4.3	61	18.6	3.2
Backbone-Sidechain	1080	57.3	288	26.7	15.3	207	19.2	11.0
Sidechain-Sidechain	478	25.3	154	32.2	8.2	108	22.6	5.7

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	28	71	96	246	0	441	1.46	15.67	2.13	0.76
2	28	74	96	250	0	448	1.43	15.59	2.1	0.72
3	27	71	95	250	0	443	1.47	15.72	2.13	0.8
4	30	77	94	253	0	454	1.45	15.39	2.08	0.77
5	28	73	96	250	0	447	1.46	15.67	2.12	0.77
6	28	77	95	250	0	450	1.41	13.38	1.94	0.76
7	28	78	94	254	0	454	1.43	15.48	2.08	0.75
8	29	81	92	252	0	454	1.43	15.45	2.08	0.76
9	30	71	94	249	0	444	1.47	15.73	2.13	0.78
10	26	65	93	246	0	430	1.48	15.55	2.19	0.78

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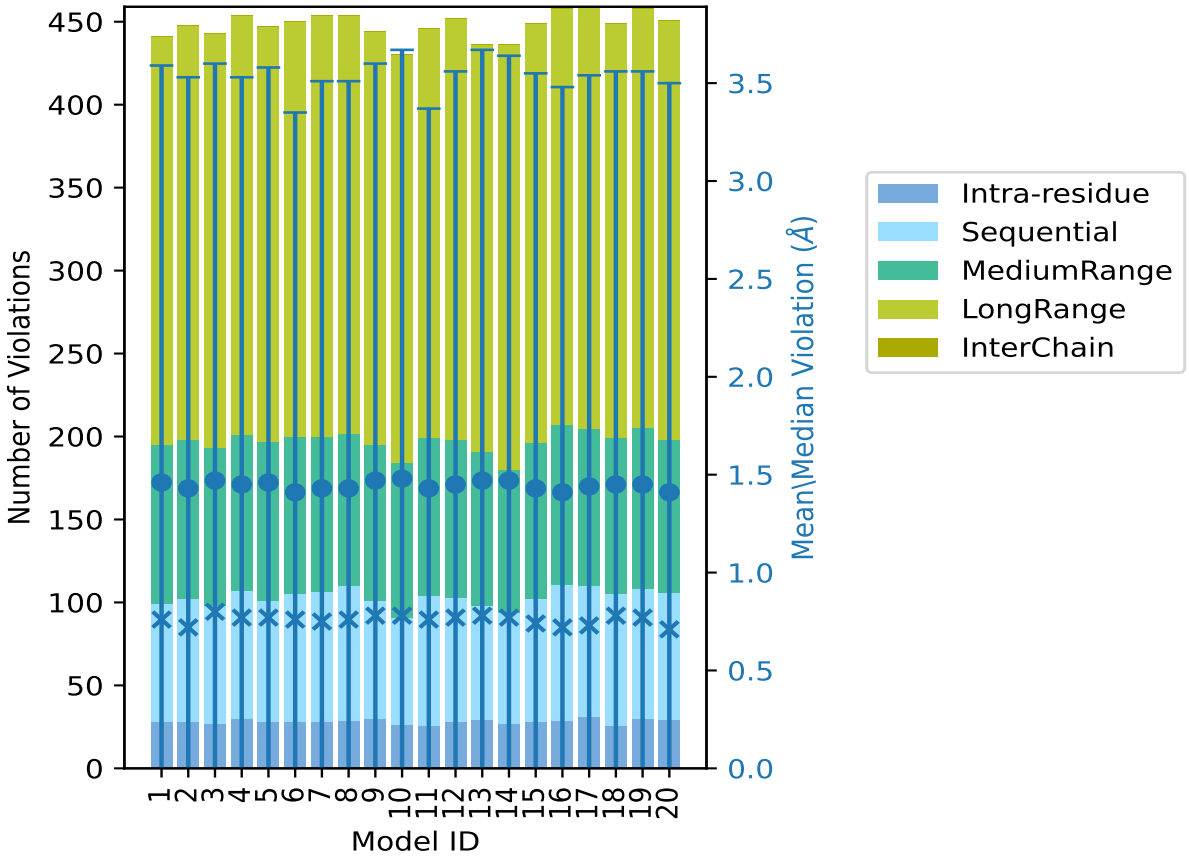
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	26	78	95	247	0	446	1.43	13.49	1.94	0.76
12	28	75	95	254	0	452	1.45	15.64	2.11	0.77
13	29	69	93	245	0	436	1.47	15.61	2.2	0.78
14	27	67	86	256	0	436	1.47	15.51	2.17	0.77
15	28	74	94	253	0	449	1.43	15.37	2.12	0.74
16	29	82	96	251	0	458	1.41	15.33	2.07	0.72
17	31	79	95	254	0	459	1.44	15.29	2.1	0.73
18	26	79	94	250	0	449	1.45	15.57	2.11	0.78
19	30	78	97	253	0	458	1.45	15.29	2.11	0.77
20	29	77	92	253	0	451	1.41	15.3	2.09	0.71

[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

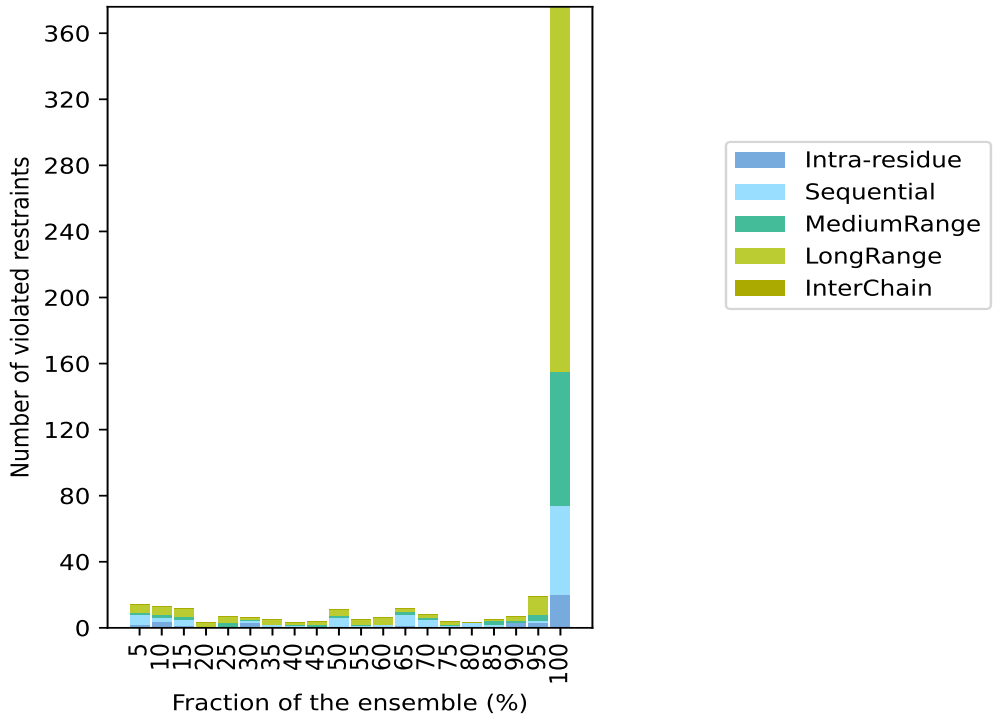
9.3 Distance violation statistics for the ensemble (i)

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, 1363(IR:365, SQ:400, MR:233, LR:365, 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]	%
2	6	1	5	0	14	1	5.0
4	2	2	5	0	13	2	10.0
1	4	2	5	0	12	3	15.0
0	1	0	2	0	3	4	20.0
0	0	3	4	0	7	5	25.0
3	1	1	1	0	6	6	30.0
0	2	0	3	0	5	7	35.0
0	1	1	1	0	3	8	40.0
0	0	2	2	0	4	9	45.0
1	5	1	4	0	11	10	50.0
0	1	1	3	0	5	11	55.0
0	2	0	4	0	6	12	60.0
1	7	2	2	0	12	13	65.0
0	5	1	2	0	8	14	70.0
0	1	1	2	0	4	15	75.0
0	3	0	0	0	3	16	80.0
0	2	2	1	0	5	17	85.0
3	0	1	3	0	7	18	90.0
3	1	4	11	0	19	19	95.0
20	54	81	221	0	376	20	100.0

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

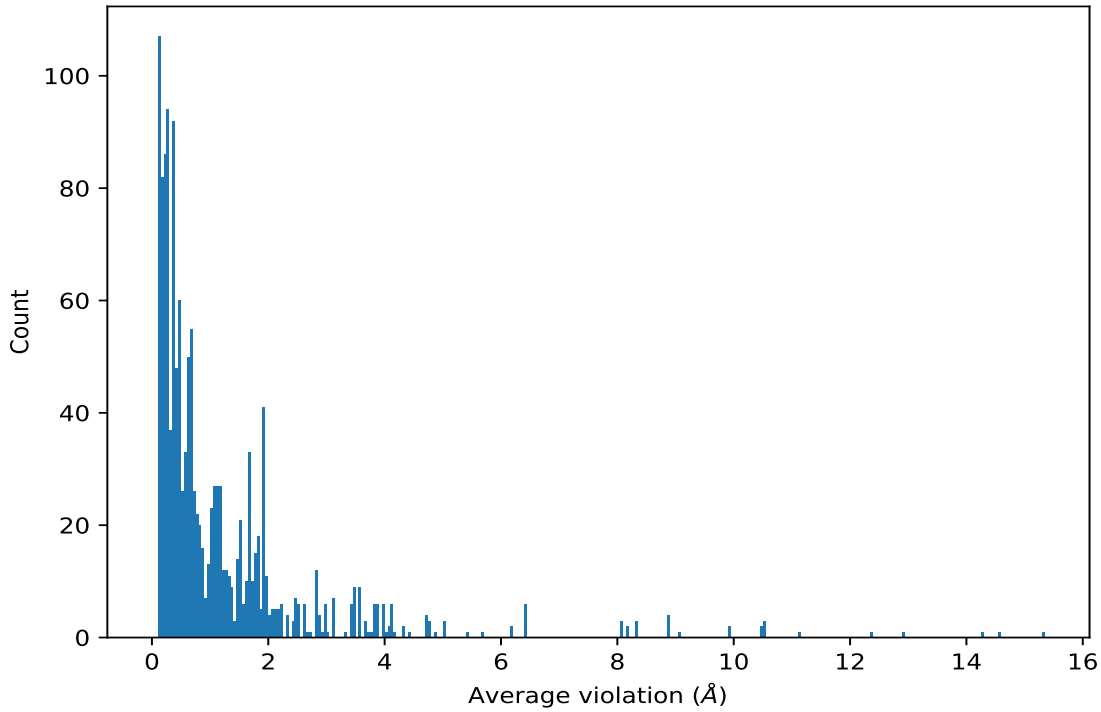
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	20	15.3	0.64	15.5
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	20	14.55	0.73	14.76
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	20	14.26	0.59	14.42
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	20	12.9	0.64	13.1
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	20	12.37	0.09	12.39
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	20	11.13	0.82	11.38
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	20	10.53	0.41	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	20	10.53	0.41	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	20	10.53	0.41	10.66
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	20	10.46	0.95	10.02
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	20	10.46	0.95	10.02
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	20	9.92	0.92	9.46
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	20	9.92	0.92	9.46
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	20	9.07	0.11	9.05
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	20	8.86	0.99	8.38
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	20	8.86	0.99	8.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	20	8.86	0.99	8.38
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	20	8.86	0.99	8.38
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	20	8.32	0.4	8.19
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	20	8.32	0.4	8.19
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	20	8.32	0.4	8.19
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	20	8.16	0.69	8.54
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	20	8.16	0.69	8.54
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	20	8.09	0.07	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	20	8.09	0.07	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	20	8.09	0.07	8.09
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	20	6.43	0.25	6.5
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	20	6.43	0.25	6.5
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	20	6.43	0.25	6.5
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	20	6.43	0.25	6.5
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	20	6.43	0.25	6.5
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	20	6.43	0.25	6.5
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	20	6.16	0.23	6.23
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	20	6.16	0.23	6.23
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	20	5.67	0.13	5.7
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	20	5.41	0.1	5.42
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	20	5.02	0.11	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	20	5.02	0.11	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	20	5.02	0.11	5.01
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	20	4.89	0.24	4.96
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	20	4.79	0.22	4.74
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	20	4.79	0.22	4.74
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	20	4.79	0.22	4.74
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	20	4.74	0.14	4.78
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	20	4.74	0.11	4.78
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	20	4.74	0.11	4.78
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	20	4.74	0.11	4.78
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	20	4.43	0.11	4.4
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	20	4.32	0.54	4.46
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	20	4.3	0.01	4.3
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	20	4.18	0.09	4.21
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	20	4.14	0.02	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	20	4.14	0.02	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	20	4.14	0.02	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	20	4.14	0.02	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	20	4.14	0.02	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	20	4.14	0.02	4.14
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	20	4.06	0.09	4.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	20	4.06	0.09	4.06
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	20	4.01	0.08	4.03
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	20	3.96	0.12	3.99
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	20	3.96	0.12	3.99
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	20	3.96	0.12	3.99
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	20	3.96	0.12	3.99
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	20	3.96	0.12	3.99
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	20	3.96	0.12	3.99
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	20	3.89	0.39	3.79
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	20	3.89	0.39	3.79
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	20	3.89	0.49	3.85
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	20	3.89	0.49	3.85
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	20	3.89	0.49	3.85
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	20	3.87	0.02	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	20	3.81	0.07	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	20	3.81	0.07	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	20	3.81	0.07	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	20	3.81	0.07	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	20	3.81	0.07	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	20	3.81	0.07	3.82
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	20	3.75	0.02	3.75
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	20	3.71	0.13	3.74
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	20	3.65	0.12	3.62
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	20	3.65	0.12	3.62
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	20	3.65	0.12	3.62
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	20	3.58	0.47	3.56
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	20	3.58	0.47	3.56
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	20	3.58	0.47	3.56
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	20	3.58	0.54	3.84
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	20	3.58	0.54	3.84
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	20	3.58	0.54	3.84
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	20	3.56	0.07	3.58
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	20	3.56	0.07	3.58
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	20	3.56	0.07	3.58
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	20	3.49	0.02	3.48
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	20	3.48	0.1	3.51
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	20	3.48	0.1	3.51
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	20	3.48	0.1	3.51
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	20	3.48	0.1	3.51
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	20	3.48	0.1	3.51
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	20	3.48	0.1	3.51
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	20	3.46	0.07	3.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	20	3.46	0.07	3.46
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	20	3.4	0.11	3.44
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	20	3.4	0.11	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	20	3.4	0.11	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	20	3.4	0.11	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	20	3.4	0.11	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	20	3.4	0.11	3.44
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	20	3.34	0.02	3.34
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	20	3.11	0.12	3.14
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	20	3.11	0.12	3.14
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	20	3.11	0.12	3.14
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	20	3.11	0.12	3.14
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	20	3.11	0.12	3.14
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	20	3.11	0.12	3.14
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	20	3.1	0.13	3.08
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	20	3.0	0.15	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	20	2.98	0.11	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	20	2.98	0.11	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	20	2.98	0.11	3.0
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	20	2.95	0.07	2.95
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	20	2.95	0.07	2.95
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	20	2.95	0.07	2.95
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	20	2.91	0.16	2.88
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	20	2.86	0.04	2.88
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	20	2.85	0.08	2.88
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	20	2.85	0.08	2.88
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	20	2.85	0.08	2.88
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	20	2.81	0.67	3.04
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	20	2.81	0.67	3.04
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	20	2.81	0.67	3.04
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	20	2.8	0.18	2.78
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	20	2.7	0.43	2.59
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	20	2.68	0.04	2.7
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	20	2.63	0.46	2.51
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	20	2.63	0.46	2.51
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	20	2.63	0.08	2.62
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	20	2.63	0.08	2.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	20	2.63	0.08	2.62
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	20	2.62	0.03	2.62
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	20	2.52	0.51	2.82
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	20	2.51	0.15	2.54
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	20	2.51	0.15	2.54
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	20	2.51	0.15	2.54
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	20	2.5	0.07	2.51
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	20	2.5	0.07	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	20	2.49	0.05	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	20	2.49	0.05	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	20	2.49	0.05	2.49
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	20	2.48	0.01	2.48
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	20	2.46	0.02	2.46
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	20	2.45	0.08	2.48
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	20	2.45	0.08	2.48
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	20	2.43	0.16	2.5
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	20	2.43	0.16	2.5
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	20	2.43	0.16	2.5
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	20	2.32	0.11	2.37
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	20	2.32	0.61	2.6
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	20	2.32	0.61	2.6
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	20	2.32	0.21	2.26
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	20	2.21	0.06	2.24
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	20	2.21	0.06	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	20	2.21	0.06	2.22
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	20	2.21	0.06	2.22
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	20	2.21	0.06	2.22
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	20	2.2	0.08	2.23
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	20	2.19	0.07	2.22
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	20	2.17	0.08	2.18
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	20	2.17	0.08	2.18
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	20	2.17	0.08	2.18
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	20	2.17	0.08	2.18
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	20	2.14	0.11	2.16
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	20	2.14	0.11	2.16
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	20	2.14	0.11	2.16
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	20	2.14	0.09	2.18
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	20	2.13	0.14	2.09
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	20	2.07	0.04	2.05
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	20	2.07	0.04	2.05
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	20	2.07	0.04	2.05
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	20	2.04	0.06	2.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	20	2.04	0.03	2.05
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	20	2.04	0.03	2.05
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	20	2.02	0.01	2.02
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	20	1.98	0.13	1.98
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	20	1.98	0.13	1.98
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	20	1.98	0.13	1.98
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	20	1.97	0.1	1.96
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	20	1.97	0.1	1.96
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	20	1.97	0.1	1.96
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	20	1.97	0.1	1.96
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	20	1.97	0.1	1.96
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	20	1.97	0.1	1.96
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	20	1.95	0.05	1.94
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	20	1.95	0.05	1.94
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	20	1.93	0.13	1.9
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	20	1.93	0.13	1.9
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	20	1.93	0.13	1.9
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	20	1.92	0.45	1.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	20	1.92	0.45	1.74
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	20	1.92	0.45	1.74
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	20	1.9	0.27	1.94
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	20	1.9	0.27	1.94
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	20	1.88	0.26	1.93
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	20	1.88	0.26	1.93
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	20	1.85	0.2	1.77
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	20	1.85	0.2	1.77
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	20	1.85	0.2	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	20	1.84	0.06	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	20	1.84	0.06	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	20	1.84	0.06	1.85
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	20	1.8	0.38	1.83
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	20	1.8	0.38	1.83
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	20	1.8	0.05	1.81
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	20	1.8	0.36	1.6
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	20	1.8	0.08	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	20	1.8	0.08	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	20	1.8	0.08	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	20	1.8	0.08	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	20	1.8	0.08	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	20	1.8	0.08	1.78
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	20	1.79	0.16	1.81
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	20	1.79	0.16	1.81
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	20	1.79	0.16	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	20	1.77	0.03	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	20	1.77	0.03	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	20	1.76	0.01	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	20	1.76	0.01	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	20	1.76	0.01	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	20	1.76	0.01	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	20	1.76	0.01	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	20	1.76	0.01	1.76
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	20	1.75	0.04	1.76
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	20	1.73	0.08	1.78
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	20	1.73	0.08	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	20	1.73	0.08	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	20	1.73	0.08	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	20	1.73	0.08	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	20	1.73	0.08	1.78
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	20	1.71	0.02	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	20	1.71	0.02	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	20	1.71	0.02	1.71
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	20	1.69	0.02	1.69
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	20	1.68	0.1	1.68
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	20	1.68	0.1	1.68
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	20	1.68	0.05	1.7
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	20	1.68	0.05	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	20	1.67	0.12	1.67
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	20	1.67	0.12	1.67
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	20	1.67	0.12	1.67
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	20	1.67	0.12	1.67
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	20	1.67	0.12	1.67
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	20	1.67	0.12	1.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	20	1.66	0.04	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	20	1.66	0.04	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	20	1.66	0.04	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	20	1.66	0.04	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	20	1.66	0.04	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	20	1.66	0.04	1.66
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	20	1.64	0.11	1.68
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	20	1.64	0.04	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	20	1.64	0.04	1.64
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	20	1.61	0.08	1.64
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	20	1.61	0.04	1.62
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	20	1.61	0.04	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	20	1.6	0.03	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	20	1.6	0.03	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	20	1.6	0.03	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	20	1.6	0.03	1.62
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	20	1.56	0.26	1.48
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	20	1.56	0.26	1.48
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	20	1.55	0.05	1.56
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	20	1.55	0.05	1.56
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	20	1.55	0.05	1.56
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	20	1.55	0.27	1.66
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	20	1.54	0.15	1.54
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	20	1.53	0.03	1.52
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	20	1.53	0.03	1.52
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	20	1.53	0.03	1.52
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	20	1.52	0.5	1.34
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	20	1.52	0.06	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	20	1.52	0.06	1.52
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	20	1.52	0.06	1.52
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	20	1.52	0.06	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	20	1.52	0.06	1.52
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	20	1.52	0.06	1.52
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	20	1.51	0.06	1.52
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	20	1.51	0.06	1.52
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	20	1.51	0.06	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	20	1.51	0.11	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	20	1.51	0.11	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	20	1.51	0.11	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	20	1.51	0.11	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	20	1.51	0.11	1.52
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	20	1.51	0.11	1.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	20	1.5	0.03	1.5
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	20	1.49	0.11	1.52
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	20	1.49	0.11	1.52
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	20	1.48	0.53	1.29
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	20	1.47	0.24	1.55
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	20	1.46	0.12	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	20	1.46	0.12	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	20	1.46	0.12	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	20	1.46	0.12	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	20	1.46	0.12	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	20	1.46	0.12	1.44
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	20	1.45	0.01	1.45
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	20	1.45	0.03	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	20	1.45	0.03	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	20	1.45	0.03	1.44
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	20	1.44	0.03	1.44
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	20	1.42	0.14	1.47
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	20	1.42	0.01	1.42
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	20	1.39	0.05	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	20	1.39	0.05	1.38
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	20	1.39	0.02	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	20	1.39	0.02	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	20	1.39	0.02	1.4
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	20	1.38	0.06	1.4
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	20	1.36	0.18	1.36
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	20	1.36	0.18	1.36
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	20	1.36	0.18	1.36
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	20	1.33	0.43	1.12
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	20	1.33	0.24	1.43
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	20	1.33	0.28	1.48
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	20	1.32	0.42	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	20	1.28	0.11	1.27
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	20	1.28	0.11	1.27
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	20	1.28	0.11	1.27
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	20	1.28	0.11	1.27
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	20	1.28	0.11	1.27
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	20	1.28	0.11	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	20	1.27	0.08	1.29
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	20	1.27	0.04	1.28
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	20	1.25	0.03	1.25
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	20	1.25	0.04	1.23
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	20	1.25	0.04	1.23
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	20	1.25	0.04	1.23
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	20	1.23	0.06	1.25
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	20	1.22	0.03	1.23
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	20	1.22	0.03	1.23
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	20	1.22	0.03	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	20	1.21	0.11	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	20	1.21	0.11	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	20	1.21	0.11	1.23
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	20	1.21	0.01	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	20	1.21	0.01	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	20	1.21	0.01	1.2
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	20	1.19	0.11	1.16
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	20	1.19	0.11	1.16
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	20	1.19	0.11	1.16
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	20	1.18	0.07	1.19
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	20	1.18	0.04	1.18
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	20	1.18	0.04	1.18
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	20	1.16	0.05	1.14
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	20	1.16	0.04	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	20	1.16	0.06	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	20	1.16	0.06	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	20	1.16	0.06	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	20	1.16	0.06	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	20	1.16	0.06	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	20	1.16	0.06	1.16
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	20	1.15	0.03	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	20	1.15	0.24	1.23
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	20	1.15	0.24	1.23
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	20	1.15	0.24	1.23
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	20	1.15	0.24	1.23
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	20	1.15	0.24	1.23
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	20	1.15	0.24	1.23
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	20	1.15	0.03	1.15
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	20	1.14	0.04	1.13
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	20	1.14	0.04	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	20	1.14	0.04	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	20	1.14	0.04	1.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	20	1.13	0.02	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	20	1.13	0.02	1.14
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	20	1.12	0.02	1.12
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	20	1.1	0.48	1.02
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	20	1.09	0.12	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	20	1.09	0.12	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	20	1.09	0.12	1.11
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	20	1.08	0.07	1.08
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	20	1.08	0.12	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	20	1.08	0.12	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	20	1.08	0.12	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	20	1.08	0.12	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	20	1.08	0.12	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	20	1.08	0.12	1.04
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	20	1.08	0.02	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	20	1.07	0.04	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	20	1.07	0.04	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	20	1.07	0.04	1.08
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	20	1.07	0.08	1.06
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	20	1.07	0.08	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	20	1.07	0.08	1.06
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	20	1.06	0.08	1.06
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	20	1.06	0.08	1.06
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	20	1.06	0.08	1.06
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	20	1.03	0.08	1.04
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	20	1.03	0.01	1.03
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	20	1.02	0.06	1.04
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	20	1.01	0.12	1.0
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	20	1.01	0.03	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	20	1.01	0.02	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	20	1.01	0.02	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	20	1.01	0.02	1.0
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	20	1.01	0.06	1.03
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	20	1.0	0.01	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	20	1.0	0.01	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	20	1.0	0.01	1.0
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	20	1.0	0.13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	20	1.0	0.13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	20	1.0	0.13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	20	1.0	0.13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	20	1.0	0.13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	20	1.0	0.13	1.04
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	20	0.98	0.05	1.0
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	20	0.98	0.11	0.98
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	20	0.98	0.11	0.98
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	20	0.98	0.11	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	20	0.98	0.01	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	20	0.98	0.01	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	20	0.98	0.01	0.98
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	20	0.97	0.02	0.97
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	20	0.97	0.34	1.0
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	20	0.97	0.34	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	20	0.95	0.06	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	20	0.95	0.06	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	20	0.95	0.06	0.95
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	20	0.94	0.01	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	20	0.92	0.03	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	20	0.92	0.03	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	20	0.92	0.03	0.93
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	20	0.92	0.03	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	20	0.92	0.03	0.92
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	20	0.9	0.01	0.9
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	20	0.89	0.23	0.93
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	20	0.88	0.01	0.88
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	20	0.88	0.03	0.88
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	20	0.88	0.03	0.88
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	20	0.87	0.04	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	20	0.87	0.02	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	20	0.87	0.02	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	20	0.87	0.02	0.86
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	20	0.86	0.03	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	20	0.86	0.03	0.84
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	20	0.86	0.01	0.86
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	20	0.84	0.01	0.84
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	20	0.84	0.23	0.74
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	20	0.84	0.23	0.74
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	20	0.84	0.23	0.74
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	20	0.82	0.03	0.83
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	20	0.82	0.07	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	20	0.82	0.07	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	20	0.82	0.07	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	20	0.82	0.07	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	20	0.82	0.07	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	20	0.82	0.07	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	20	0.82	0.02	0.82
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	20	0.81	0.03	0.82
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	20	0.81	0.04	0.82
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	20	0.8	0.02	0.8
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	20	0.79	0.11	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	20	0.78	0.01	0.78
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	20	0.78	0.02	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	20	0.78	0.01	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	20	0.77	0.05	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	20	0.77	0.05	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	20	0.77	0.05	0.77
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	20	0.77	0.03	0.78
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	20	0.76	0.01	0.76
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	20	0.76	0.13	0.79
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	20	0.76	0.13	0.79
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	20	0.76	0.13	0.79
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	20	0.76	0.13	0.79
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	20	0.76	0.13	0.79
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	20	0.76	0.13	0.79
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	20	0.76	0.02	0.76
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	20	0.75	0.09	0.72
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	20	0.75	0.09	0.72
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	20	0.75	0.09	0.72
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	20	0.75	0.15	0.79
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	20	0.74	0.06	0.74
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	20	0.74	0.03	0.73
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	20	0.74	0.03	0.73
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	20	0.74	0.03	0.73
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	20	0.73	0.14	0.73
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	20	0.72	0.04	0.7
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	20	0.71	0.16	0.64
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	20	0.71	0.45	0.58
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	20	0.71	0.45	0.58
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	20	0.71	0.45	0.58
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	20	0.71	0.45	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	20	0.71	0.45	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	20	0.71	0.45	0.58
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	20	0.71	0.15	0.72
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	20	0.71	0.0	0.71
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	20	0.71	0.04	0.71
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	20	0.7	0.11	0.74
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	20	0.7	0.05	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	20	0.7	0.05	0.7
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	20	0.7	0.05	0.7
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	20	0.7	0.03	0.69
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	20	0.69	0.03	0.69
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	20	0.69	0.04	0.68
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	20	0.69	0.05	0.7
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	20	0.68	0.09	0.71
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	20	0.68	0.09	0.71
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	20	0.68	0.09	0.71
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	20	0.68	0.01	0.68
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	20	0.68	0.04	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	20	0.68	0.04	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	20	0.68	0.04	0.66
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	20	0.67	0.08	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	20	0.67	0.08	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	20	0.67	0.08	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	20	0.67	0.08	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	20	0.67	0.08	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	20	0.67	0.08	0.7
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	20	0.66	0.0	0.66
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	20	0.66	0.03	0.66
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	20	0.64	0.03	0.66
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	20	0.63	0.07	0.62
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	20	0.62	0.11	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	20	0.62	0.02	0.62
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	20	0.62	0.02	0.62
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	20	0.62	0.02	0.62
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	20	0.62	0.09	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	20	0.62	0.09	0.64
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	20	0.61	0.11	0.57
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	20	0.61	0.11	0.57
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	20	0.61	0.11	0.57
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	20	0.61	0.11	0.57
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	20	0.61	0.11	0.57
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	20	0.61	0.11	0.57
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	20	0.6	0.04	0.6
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	20	0.59	0.05	0.59
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	20	0.59	0.05	0.59
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	20	0.59	0.05	0.59
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	20	0.59	0.53	0.33
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	20	0.59	0.53	0.33
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	20	0.59	0.53	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	20	0.59	0.53	0.33
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	20	0.59	0.53	0.33
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	20	0.59	0.53	0.33
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	20	0.58	0.03	0.58
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	20	0.58	0.03	0.58
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	20	0.57	0.05	0.58
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	20	0.57	0.05	0.58
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	20	0.57	0.05	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	20	0.57	0.02	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	20	0.57	0.02	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	20	0.57	0.02	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	20	0.56	0.1	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	20	0.56	0.1	0.56
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	20	0.56	0.05	0.57
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	20	0.55	0.1	0.54
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	20	0.55	0.03	0.54
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	20	0.55	0.08	0.56
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	20	0.54	0.02	0.55
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	20	0.54	0.06	0.51
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	20	0.53	0.02	0.52
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	20	0.53	0.08	0.54
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	20	0.53	0.35	0.46
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	20	0.52	0.07	0.54
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	20	0.52	0.07	0.54
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	20	0.52	0.07	0.54
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	20	0.52	0.07	0.54
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	20	0.52	0.07	0.54
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	20	0.52	0.07	0.54
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	20	0.52	0.02	0.52
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.52	0.03	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	20	0.52	0.03	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	20	0.5	0.02	0.5
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	20	0.49	0.07	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	20	0.49	0.07	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	20	0.49	0.07	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	20	0.49	0.07	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	20	0.49	0.07	0.47
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	20	0.49	0.07	0.47
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	20	0.49	0.16	0.52
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	20	0.48	0.09	0.5
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	20	0.48	0.11	0.49
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	20	0.48	0.11	0.49
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	20	0.48	0.11	0.49
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	20	0.48	0.11	0.54
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	20	0.48	0.02	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	20	0.48	0.02	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	20	0.48	0.02	0.48
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	20	0.48	0.17	0.58
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	20	0.47	0.04	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	20	0.47	0.04	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	20	0.47	0.04	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	20	0.47	0.04	0.48
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	20	0.47	0.06	0.5
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	20	0.46	0.12	0.48
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	20	0.46	0.14	0.48
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	20	0.46	0.03	0.46
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	20	0.46	0.03	0.46
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	20	0.46	0.03	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	20	0.46	0.02	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	20	0.46	0.02	0.46
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	20	0.45	0.05	0.46
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	20	0.45	0.05	0.46
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	20	0.45	0.1	0.49
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	20	0.45	0.15	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	20	0.45	0.15	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	20	0.45	0.15	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	20	0.45	0.15	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	20	0.45	0.15	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	20	0.45	0.15	0.39
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	20	0.44	0.15	0.44
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	20	0.44	0.15	0.44
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	20	0.44	0.15	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	20	0.44	0.02	0.44
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	20	0.44	0.03	0.44
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	20	0.44	0.03	0.44
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	20	0.44	0.03	0.44
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	20	0.44	0.13	0.5
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	20	0.44	0.13	0.5
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	20	0.43	0.04	0.44
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	20	0.43	0.07	0.45
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	20	0.43	0.03	0.44
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	20	0.42	0.03	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	20	0.42	0.03	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	20	0.42	0.03	0.41
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	20	0.42	0.03	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	20	0.42	0.03	0.44
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	20	0.42	0.04	0.42
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	20	0.42	0.04	0.42
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	20	0.42	0.04	0.42
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	20	0.41	0.05	0.41
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	20	0.41	0.04	0.43
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	20	0.41	0.04	0.42
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	20	0.4	0.04	0.4
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	20	0.4	0.04	0.4
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	20	0.4	0.16	0.4
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	20	0.4	0.16	0.4
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	20	0.4	0.16	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	20	0.4	0.03	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	20	0.4	0.03	0.39
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	20	0.39	0.11	0.44
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	20	0.39	0.11	0.44
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	20	0.39	0.01	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	20	0.39	0.01	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	20	0.39	0.01	0.38
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	20	0.38	0.11	0.36
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	20	0.38	0.11	0.36
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	20	0.38	0.11	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	20	0.38	0.05	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	20	0.38	0.06	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	20	0.38	0.06	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	20	0.38	0.06	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	20	0.38	0.06	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	20	0.38	0.06	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	20	0.38	0.06	0.4
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	20	0.38	0.01	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	20	0.38	0.01	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	20	0.38	0.01	0.38
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	20	0.38	0.13	0.39
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	20	0.37	0.03	0.36
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	20	0.37	0.04	0.37
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	20	0.37	0.02	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	20	0.37	0.02	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	20	0.36	0.02	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	20	0.36	0.02	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	20	0.36	0.02	0.36
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	20	0.35	0.13	0.41
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	20	0.35	0.13	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	20	0.35	0.13	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	20	0.35	0.13	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	20	0.35	0.13	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	20	0.35	0.13	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	20	0.35	0.06	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	20	0.35	0.06	0.34
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	20	0.35	0.06	0.34
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	20	0.35	0.12	0.34
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.35	0.12	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	20	0.35	0.01	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	20	0.35	0.01	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	20	0.35	0.01	0.34
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	20	0.33	0.06	0.32
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	20	0.33	0.06	0.32
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	20	0.33	0.06	0.32
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	20	0.33	0.04	0.33
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	20	0.33	0.04	0.33
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	20	0.32	0.03	0.32
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	20	0.32	0.02	0.32
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	20	0.32	0.03	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	20	0.31	0.01	0.31
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	20	0.31	0.03	0.32
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	20	0.31	0.02	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	20	0.31	0.02	0.31
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	20	0.3	0.05	0.31
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	20	0.3	0.05	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	20	0.3	0.01	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	20	0.3	0.01	0.29
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	20	0.29	0.02	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	20	0.29	0.01	0.3
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	20	0.29	0.05	0.29
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	20	0.29	0.06	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	20	0.29	0.02	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	20	0.29	0.02	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	20	0.29	0.02	0.29
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	20	0.28	0.09	0.26
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	20	0.28	0.09	0.26
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	20	0.28	0.09	0.26
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	20	0.28	0.02	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	20	0.28	0.02	0.29
(1,139)	1:34:A:THR:H	1:36:A:THR:H	20	0.28	0.0	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	20	0.28	0.01	0.27
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	20	0.27	0.02	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	20	0.27	0.01	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	20	0.27	0.01	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	20	0.27	0.01	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	20	0.27	0.01	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	20	0.27	0.01	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	20	0.27	0.01	0.27
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	20	0.27	0.02	0.28
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	20	0.26	0.05	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	20	0.26	0.0	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	20	0.26	0.0	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	20	0.26	0.0	0.26
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	20	0.26	0.02	0.26
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	20	0.25	0.05	0.24
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	20	0.25	0.05	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	20	0.25	0.05	0.24
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	20	0.24	0.03	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	20	0.24	0.02	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	20	0.24	0.02	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	20	0.23	0.05	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	20	0.23	0.05	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	20	0.23	0.05	0.24
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	20	0.23	0.06	0.22
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	20	0.23	0.03	0.24
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	20	0.23	0.03	0.24
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	20	0.23	0.03	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	20	0.23	0.02	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	20	0.23	0.02	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	20	0.23	0.02	0.24
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	20	0.23	0.03	0.23
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	20	0.23	0.03	0.23
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	20	0.22	0.05	0.2
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	20	0.22	0.05	0.2
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	20	0.22	0.01	0.22
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	20	0.22	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	20	0.22	0.05	0.22
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	20	0.22	0.05	0.22
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	20	0.22	0.02	0.22
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	20	0.22	0.03	0.22
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	0.21	0.01	0.21
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	20	0.21	0.02	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	20	0.21	0.0	0.21
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	20	0.2	0.01	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	20	0.19	0.01	0.19
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	20	0.19	0.03	0.18
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	20	0.17	0.03	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	20	0.17	0.01	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	20	0.16	0.01	0.16
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	20	0.16	0.03	0.15
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	20	0.15	0.01	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	20	0.15	0.01	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	20	0.15	0.01	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	20	0.15	0.01	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	20	0.14	0.01	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	20	0.14	0.01	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	20	0.14	0.01	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	20	0.14	0.01	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	20	0.14	0.01	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	20	0.14	0.0	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	20	0.14	0.01	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	20	0.14	0.01	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	20	0.13	0.01	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	20	0.12	0.0	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	20	0.12	0.01	0.12
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	20	0.11	0.01	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	20	0.11	0.01	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	20	0.11	0.0	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	20	0.11	0.0	0.11
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	19	2.07	1.11	2.72
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	19	2.07	1.11	2.72
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	19	1.12	0.04	1.11
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	19	1.12	0.04	1.11
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	19	0.62	0.18	0.51
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	19	0.62	0.18	0.51
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	19	0.62	0.18	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	19	0.55	0.05	0.52
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	19	0.48	0.08	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	19	0.48	0.08	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	19	0.48	0.08	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	19	0.48	0.08	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	19	0.48	0.08	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	19	0.48	0.08	0.5
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	19	0.47	0.22	0.52
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	19	0.47	0.22	0.52
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	19	0.47	0.22	0.52
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	19	0.4	0.1	0.43
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	19	0.37	0.1	0.38
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	19	0.34	0.13	0.35
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	19	0.34	0.13	0.35
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	19	0.34	0.13	0.35
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	19	0.34	0.13	0.35
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	19	0.29	0.07	0.29
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	19	0.28	0.07	0.3
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	19	0.27	0.1	0.27
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	19	0.27	0.1	0.27
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	19	0.27	0.1	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	19	0.27	0.07	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	19	0.27	0.07	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	19	0.27	0.07	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	19	0.27	0.07	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	19	0.27	0.07	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	19	0.27	0.07	0.3
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	19	0.24	0.08	0.23
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	19	0.21	0.07	0.21
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	19	0.21	0.05	0.21
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	19	0.21	0.05	0.21
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	19	0.19	0.02	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	19	0.19	0.02	0.19
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	19	0.16	0.05	0.14
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	19	0.14	0.02	0.14
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	18	1.16	0.11	1.15
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	18	0.23	0.03	0.22
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	18	0.19	0.03	0.2
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	18	0.19	0.03	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	18	0.15	0.03	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	18	0.15	0.03	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	18	0.15	0.03	0.16
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	18	0.14	0.0	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	18	0.14	0.01	0.14
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	18	0.12	0.01	0.12
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	17	1.21	0.02	1.21
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	17	0.25	0.02	0.25
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	17	0.25	0.02	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	17	0.25	0.02	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	17	0.25	0.02	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	17	0.22	0.03	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	17	0.22	0.03	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	17	0.22	0.03	0.22
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	17	0.21	0.04	0.22
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	16	0.42	0.17	0.4
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	16	0.42	0.17	0.4
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	16	0.17	0.01	0.17
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	16	0.17	0.01	0.17
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	16	0.16	0.05	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	16	0.16	0.05	0.15
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	15	0.76	0.14	0.76
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	15	0.35	0.23	0.29
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	15	0.35	0.23	0.29
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	15	0.35	0.23	0.29
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	15	0.35	0.23	0.29
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	15	0.35	0.23	0.29
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	15	0.35	0.23	0.29
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	15	0.25	0.1	0.32
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	15	0.25	0.1	0.32
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	15	0.15	0.04	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	15	0.15	0.04	0.15
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	14	0.64	0.06	0.62
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	14	0.64	0.06	0.62
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	14	0.56	0.03	0.57
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	14	0.56	0.03	0.57
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	14	0.54	0.21	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	14	0.54	0.21	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	14	0.54	0.21	0.66
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	14	0.51	0.01	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	14	0.51	0.01	0.5
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	14	0.44	0.01	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	14	0.44	0.01	0.44
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	14	0.24	0.02	0.23
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	14	0.19	0.05	0.2
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	14	0.19	0.05	0.2
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	14	0.19	0.02	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	14	0.19	0.02	0.18
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	13	2.82	0.11	2.77
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	13	2.82	0.11	2.77
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	13	2.82	0.11	2.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	13	1.79	0.03	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	13	1.79	0.03	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	13	1.79	0.03	1.79
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	13	1.72	0.05	1.73
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	13	1.31	0.03	1.31
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	13	1.22	0.08	1.21
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	13	1.15	0.08	1.13
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	13	1.15	0.08	1.13
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	13	1.15	0.08	1.13
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	13	0.33	0.01	0.33
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	13	0.32	0.08	0.33
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	13	0.24	0.09	0.26
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	13	0.24	0.09	0.26
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	13	0.19	0.02	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	13	0.19	0.02	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	13	0.19	0.02	0.19
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	13	0.16	0.04	0.16
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	13	0.16	0.04	0.16
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	13	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	12	0.39	0.49	0.2
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	12	0.21	0.05	0.24
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	12	0.19	0.07	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	12	0.19	0.07	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	12	0.19	0.07	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	12	0.19	0.07	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	12	0.19	0.07	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	12	0.19	0.07	0.18
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	12	0.18	0.03	0.18
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	12	0.18	0.03	0.18
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	12	0.18	0.03	0.18
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	12	0.15	0.08	0.11
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	12	0.13	0.02	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	12	0.13	0.02	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	12	0.13	0.02	0.12
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	11	0.61	0.16	0.66
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	11	0.18	0.03	0.2
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	11	0.17	0.05	0.19
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	11	0.17	0.05	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	11	0.17	0.05	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	11	0.17	0.05	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	11	0.17	0.05	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	11	0.17	0.05	0.19
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	11	0.11	0.01	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	11	0.11	0.01	0.11
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	10	0.69	0.04	0.71
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	10	0.62	0.02	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	10	0.62	0.02	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	10	0.62	0.02	0.62
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	10	0.49	0.03	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	10	0.49	0.03	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	10	0.49	0.03	0.51
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	10	0.25	0.05	0.26
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	10	0.24	0.02	0.23
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	10	0.21	0.03	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	10	0.21	0.03	0.22
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	10	0.21	0.06	0.19
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	10	0.21	0.06	0.19
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	10	0.18	0.02	0.19
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	10	0.16	0.02	0.17
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	10	0.14	0.05	0.12
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	10	0.13	0.03	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	10	0.13	0.03	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	10	0.13	0.03	0.11
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	9	0.29	0.06	0.29
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	9	0.29	0.06	0.29
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	9	0.29	0.06	0.29
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	9	0.18	0.06	0.17
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	9	0.18	0.05	0.17
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	9	0.11	0.0	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	9	0.11	0.0	0.11
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	8	0.25	0.08	0.25
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	8	0.25	0.08	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	8	0.25	0.08	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	8	0.25	0.08	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	8	0.25	0.08	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	8	0.25	0.08	0.25
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	8	0.22	0.03	0.22
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	8	0.22	0.03	0.22
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	8	0.11	0.0	0.11
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	7	0.2	0.06	0.23
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	7	0.2	0.06	0.23
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	7	0.19	0.05	0.16
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	7	0.15	0.06	0.12
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	7	0.15	0.06	0.12
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	7	0.13	0.02	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	7	0.12	0.01	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	7	0.12	0.01	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	7	0.12	0.01	0.11
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	6	1.07	0.14	1.1
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	6	1.07	0.14	1.1
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	6	0.32	0.11	0.3
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	6	0.32	0.11	0.3
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	6	0.12	0.02	0.12
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	6	0.12	0.02	0.12
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	6	0.12	0.01	0.12
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	6	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	6	0.12	0.01	0.12
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	6	0.12	0.01	0.12
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	6	0.1	0.0	0.1
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	5	0.69	0.04	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	5	0.69	0.04	0.69
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	5	0.43	0.4	0.12
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	5	0.43	0.4	0.12
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	5	0.26	0.0	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	5	0.26	0.0	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	5	0.26	0.0	0.26
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	5	0.25	0.09	0.24
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	5	0.25	0.09	0.24
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	5	0.24	0.01	0.24
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	5	0.18	0.04	0.18
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	5	0.18	0.04	0.18
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	5	0.18	0.04	0.18
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	5	0.11	0.0	0.11
(1,473)	1:45:A:LEU:HG	1:46:A:LEU:H	4	0.12	0.01	0.12
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD23	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD23	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD23	4	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD23	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD23	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD11	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD12	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD13	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD21	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD22	4	0.12	0.01	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD23	4	0.12	0.01	0.11
(1,402)	1:25:A:VAL:H	1:59:A:VAL:HA	4	0.11	0.0	0.11
(1,1005)	1:19:A:LEU:HG	1:28:A:LEU:HG	3	1.34	0.09	1.3
(1,748)	1:3:A:LEU:HB3	1:4:A:PRO:HG2	3	0.77	0.47	1.1
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD11	3	0.45	0.01	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD12	3	0.45	0.01	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD13	3	0.45	0.01	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD21	3	0.45	0.01	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD22	3	0.45	0.01	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD23	3	0.45	0.01	0.45
(1,895)	1:2:A:ALA:HB1	1:18:A:THR:HA	3	0.4	0.02	0.41
(1,895)	1:2:A:ALA:HB2	1:18:A:THR:HA	3	0.4	0.02	0.41
(1,895)	1:2:A:ALA:HB3	1:18:A:THR:HA	3	0.4	0.02	0.41
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD21	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD22	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD23	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD21	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD22	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD23	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD21	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD22	3	0.37	0.01	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD23	3	0.37	0.01	0.38
(1,1337)	1:66:A:LEU:HD11	1:70:A:THR:HB	3	0.37	0.18	0.49
(1,1337)	1:66:A:LEU:HD12	1:70:A:THR:HB	3	0.37	0.18	0.49
(1,1337)	1:66:A:LEU:HD13	1:70:A:THR:HB	3	0.37	0.18	0.49

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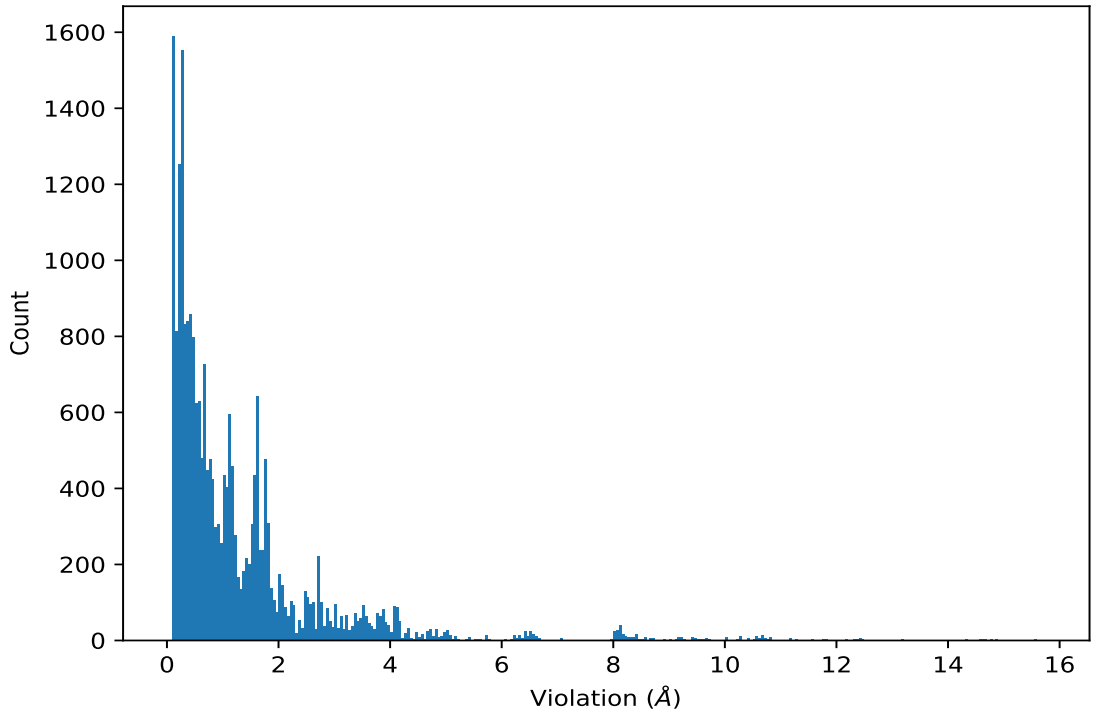
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD11	3	0.37	0.01	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD12	3	0.37	0.01	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD13	3	0.37	0.01	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD21	3	0.37	0.01	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD22	3	0.37	0.01	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD23	3	0.37	0.01	0.36
(1,1332)	1:65:A:LYS:HB3	1:65:A:LYS:HD3	3	0.35	0.17	0.47
(1,900)	1:18:A:THR:HG21	1:28:A:LEU:HG	3	0.32	0.09	0.28
(1,900)	1:18:A:THR:HG22	1:28:A:LEU:HG	3	0.32	0.09	0.28
(1,900)	1:18:A:THR:HG23	1:28:A:LEU:HG	3	0.32	0.09	0.28
(1,996)	1:19:A:LEU:HG	1:28:A:LEU:HA	3	0.26	0.0	0.26
(1,723)	1:28:A:LEU:HB3	1:32:A:LEU:H	3	0.14	0.01	0.14
(1,379)	1:23:A:ASP:H	1:24:A:THR:H	3	0.11	0.0	0.11
(1,920)	1:3:A:LEU:HB2	1:20:A:SER:HA	2	1.17	0.01	1.17
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD11	2	0.63	0.0	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD12	2	0.63	0.0	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD13	2	0.63	0.0	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD21	2	0.63	0.0	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD22	2	0.63	0.0	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD23	2	0.63	0.0	0.63
(1,744)	1:2:A:ALA:HA	1:3:A:LEU:HG	2	0.42	0.01	0.42
(1,217)	1:3:A:LEU:H	1:3:A:LEU:HB2	2	0.28	0.0	0.28
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG2	2	0.21	0.01	0.21
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG3	2	0.21	0.01	0.21
(1,923)	1:21:A:GLU:HA	1:21:A:GLU:HG2	2	0.17	0.0	0.17
(1,324)	1:16:A:VAL:HB	1:18:A:THR:H	2	0.12	0.02	0.12
(1,1193)	1:45:A:LEU:HD21	1:74:A:MET:HA	2	0.12	0.02	0.12
(1,1193)	1:45:A:LEU:HD22	1:74:A:MET:HA	2	0.12	0.02	0.12
(1,1193)	1:45:A:LEU:HD23	1:74:A:MET:HA	2	0.12	0.02	0.12
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB2	2	0.12	0.0	0.12
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB3	2	0.12	0.0	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD11	2	0.11	0.01	0.11
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD12	2	0.11	0.01	0.11
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD13	2	0.11	0.01	0.11
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD21	2	0.11	0.01	0.11
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD22	2	0.11	0.01	0.11
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD23	2	0.11	0.01	0.11
(1,604)	1:70:A:THR:H	1:70:A:THR:HB	2	0.11	0.0	0.11
(1,1553)	1:10:A:GLY:HA2	1:12:A:GLN:H	2	0.11	0.0	0.11
(1,1553)	1:10:A:GLY:HA3	1:12:A:GLN:H	2	0.11	0.0	0.11
(1,328)	1:19:A:LEU:H	1:20:A:SER:H	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



9.5.2 Table : All distance violations (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	9	15.73
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	3	15.72
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	1	15.67
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	5	15.67
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	12	15.64
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	13	15.61
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	2	15.59
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	18	15.57
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	10	15.55
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	14	15.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	7	15.48
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	8	15.45
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	4	15.39
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	15	15.37
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	16	15.33
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	20	15.3
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	17	15.29
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	19	15.29
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	3	15.0
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	9	15.0
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	5	14.94
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	1	14.92
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	10	14.88
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	13	14.87
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	12	14.86
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	14	14.79
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	2	14.78
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	18	14.77
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	7	14.76
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	8	14.72
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	15	14.7
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	4	14.69
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	20	14.65
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	9	14.65
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	16	14.64
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	3	14.63
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	19	14.62
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	5	14.62
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	13	14.6
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	1	14.59
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	17	14.58
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	10	14.56
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	2	14.55
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	12	14.52
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	18	14.5
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	14	14.45
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	7	14.4
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	8	14.35
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	4	14.3
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	16	14.3
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	15	14.29
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	19	14.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	17	14.23
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	20	14.23
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	11	13.49
(1,459)	1:45:A:LEU:H	1:65:A:LYS:HD3	6	13.38
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	9	13.33
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	3	13.31
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	5	13.28
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	1	13.27
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	13	13.24
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	12	13.2
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	2	13.19
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	10	13.19
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	18	13.14
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	14	13.13
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	7	13.06
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	8	13.02
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	4	12.97
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	15	12.96
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	16	12.94
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	20	12.91
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	19	12.89
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	17	12.87
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	11	12.59
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	9	12.5
(1,812)	1:45:A:LEU:HA	1:65:A:LYS:HD3	6	12.49
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	3	12.48
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	4	12.46
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	5	12.46
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	11	12.44
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	1	12.44
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	10	12.43
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	13	12.43
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	20	12.43
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	15	12.41
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	7	12.39
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	12	12.39
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	8	12.37
(1,1326)	1:45:A:LEU:HB3	1:65:A:LYS:HD2	6	12.35
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	16	12.34
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	18	12.34
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	19	12.34
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	14	12.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	17	12.29
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	11	12.23
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	2	12.22
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	13	12.18
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	13	12.18
(1,1187)	1:45:A:LEU:HB3	1:65:A:LYS:HG3	6	12.15
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	14	11.96
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	14	11.96
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	10	11.84
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	10	11.84
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	19	11.82
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	19	11.82
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	17	11.78
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	17	11.78
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	15	11.76
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	15	11.76
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	9	11.69
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	13	11.62
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	5	11.61
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	3	11.59
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	13	11.58
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	13	11.58
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	1	11.58
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	18	11.53
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	12	11.48
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	14	11.46
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	10	11.45
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	2	11.41
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	14	11.37
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	14	11.37
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	20	11.34
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	8	11.3
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	7	11.28
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	10	11.27
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	10	11.27
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	19	11.24
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	19	11.24
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	17	11.2
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	17	11.2
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	15	11.19
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	15	11.18
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	15	11.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	4	11.18
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	16	11.17
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	19	11.14
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	17	11.11
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	11	11.09
(1,1328)	1:45:A:LEU:HB3	1:65:A:LYS:HD3	6	10.98
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	10	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	10	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	10	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	13	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	13	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	13	10.83
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	2	10.82
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	2	10.82
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	2	10.82
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	7	10.76
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	7	10.76
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	7	10.76
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	5	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	5	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	5	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	9	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	9	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	9	10.73
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	1	10.69
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	1	10.69
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	1	10.69
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	3	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	3	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	3	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	12	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	12	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	12	10.67
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	16	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	16	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	16	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	19	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	19	10.66
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	19	10.66
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	13	10.64
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	13	10.64
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	13	10.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	13	10.64
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	18	10.62
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	18	10.62
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	18	10.62
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	8	10.6
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	8	10.6
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	8	10.6
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	17	10.58
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	17	10.58
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	17	10.58
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	4	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	4	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	4	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	14	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	14	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	14	10.56
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	15	10.51
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	15	10.51
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	15	10.51
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	20	10.45
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	20	10.45
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	20	10.45
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	14	10.41
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	14	10.41
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	14	10.41
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	14	10.41
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	19	10.28
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	19	10.28
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	19	10.28
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	19	10.28
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	10	10.27
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	10	10.27
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	10	10.27
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	10	10.27
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	17	10.25
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	17	10.25
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	17	10.25
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	17	10.25
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	15	10.21
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	15	10.21
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	15	10.21
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	15	10.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	1	10.07
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	1	10.07
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	18	10.03
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	18	10.03
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	20	10.03
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	20	10.03
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	12	10.02
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	12	10.02
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	5	10.01
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	5	10.01
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	9	9.98
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	9	9.98
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	3	9.88
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	3	9.88
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	7	9.73
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	7	9.73
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	4	9.72
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	4	9.72
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	8	9.7
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	8	9.7
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	16	9.69
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	16	9.69
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	11	9.67
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	11	9.67
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	6	9.64
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	6	9.64
(1,1278)	1:44:A:LYS:HD2	1:54:A:PRO:HG3	2	9.61
(1,1278)	1:44:A:LYS:HD3	1:54:A:PRO:HG3	2	9.61
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	6	9.57
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	6	9.57
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	6	9.57
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	1	9.53
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	1	9.53
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	18	9.53
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	18	9.53
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	12	9.49
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	12	9.49
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	5	9.46
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	5	9.46
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	20	9.46
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	20	9.46
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	9	9.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	9	9.44
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	11	9.44
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	11	9.44
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	11	9.44
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	6	9.41
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	6	9.41
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	6	9.41
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	3	9.37
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	3	9.37
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG21	11	9.28
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG22	11	9.28
(1,1181)	1:65:A:LYS:HD2	1:72:A:ILE:HG23	11	9.28
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	9	9.23
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	4	9.22
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	4	9.22
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	7	9.22
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	7	9.22
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	5	9.22
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	8	9.21
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	8	9.21
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	3	9.21
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	18	9.21
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	1	9.2
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	13	9.2
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	16	9.19
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	16	9.19
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	20	9.18
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	11	9.17
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	11	9.17
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	12	9.15
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	6	9.14
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	6	9.14
(1,1333)	1:44:A:LYS:HD2	1:54:A:PRO:HG2	2	9.11
(1,1333)	1:44:A:LYS:HD3	1:54:A:PRO:HG2	2	9.11
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	14	9.09
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	10	9.07
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	8	9.03
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	4	9.01
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	7	9.01
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	11	9.0
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	16	8.99
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	2	8.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	6	8.94
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	15	8.94
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	17	8.94
(1,481)	1:48:A:LEU:H	1:65:A:LYS:H	19	8.93
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	11	8.78
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	5	8.73
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	5	8.73
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	1	8.72
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	1	8.72
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	12	8.71
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	12	8.71
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	9	8.69
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	9	8.69
(1,483)	1:48:A:LEU:H	1:65:A:LYS:HD3	6	8.68
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	20	8.66
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	20	8.66
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	3	8.65
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	3	8.65
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	4	8.59
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	4	8.59
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	18	8.59
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	18	8.59
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	7	8.56
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	7	8.56
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	11	8.55
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	11	8.55
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	16	8.54
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	16	8.54
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	6	8.51
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	6	8.51
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	2	8.49
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	2	8.49
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	8	8.48
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	8	8.48
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	1	8.45
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	1	8.45
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	1	8.45
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	1	8.45
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	20	8.43
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	20	8.43
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	20	8.43
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	20	8.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	5	8.4
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	5	8.4
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	5	8.4
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	5	8.4
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	12	8.4
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	12	8.4
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	12	8.4
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	12	8.4
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	9	8.37
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	9	8.37
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	9	8.37
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	9	8.37
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	18	8.37
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	18	8.37
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	18	8.37
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	18	8.37
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	13	8.34
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	13	8.34
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	13	8.34
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	19	8.31
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	19	8.31
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	19	8.31
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	7	8.3
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	7	8.3
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	7	8.3
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	10	8.29
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	10	8.29
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	10	8.29
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	16	8.27
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	16	8.27
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	16	8.27
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	3	8.25
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	3	8.25
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	3	8.25
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	3	8.25
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	2	8.24
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	2	8.24
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	2	8.24
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	13	8.23
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	13	8.23
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	13	8.23
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	10	8.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	10	8.22
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	10	8.22
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	4	8.22
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	4	8.22
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	4	8.22
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	17	8.2
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	17	8.2
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	17	8.2
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	8	8.18
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	8	8.18
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	8	8.18
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	7	8.17
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	7	8.17
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	7	8.17
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	5	8.17
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	5	8.17
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	5	8.17
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	16	8.16
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	16	8.16
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	16	8.16
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	9	8.16
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	9	8.16
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	9	8.16
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	6	8.14
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	6	8.14
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	6	8.14
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	20	8.14
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	20	8.14
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	20	8.14
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	19	8.13
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	19	8.13
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	19	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	1	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	1	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	1	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	18	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	18	8.13
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	18	8.13
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	7	8.12
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	7	8.12
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	7	8.12
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	7	8.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	12	8.12
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	12	8.12
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	12	8.12
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	2	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	2	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	2	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	5	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	5	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	5	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	18	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	18	8.11
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	18	8.11
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	4	8.1
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	4	8.1
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	4	8.1
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	4	8.1
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	12	8.1
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	12	8.1
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	12	8.1
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	15	8.1
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	15	8.1
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	15	8.1
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	1	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	1	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	1	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	4	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	4	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	4	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	17	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	17	8.09
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	17	8.09
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	16	8.07
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	16	8.07
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	16	8.07
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	16	8.07
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	9	8.07
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	9	8.07
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	9	8.07
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	8	8.06
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	8	8.06
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	8	8.06
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	8	8.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	11	8.06
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	11	8.06
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	11	8.06
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	11	8.06
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	3	8.06
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	3	8.06
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	3	8.06
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	3	8.03
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	3	8.03
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	3	8.03
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	20	8.03
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	20	8.03
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	20	8.03
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	6	8.02
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	6	8.02
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	6	8.02
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	6	8.02
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	8	8.02
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	8	8.02
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	8	8.02
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	11	8.01
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	11	8.01
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	11	8.01
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG21	14	8.01
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG22	14	8.01
(1,1179)	1:65:A:LYS:HG2	1:72:A:ILE:HG23	14	8.01
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB3	2	8.0
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB3	2	8.0
(1,1478)	1:44:A:LYS:HD2	1:54:A:PRO:HB2	2	8.0
(1,1478)	1:44:A:LYS:HD3	1:54:A:PRO:HB2	2	8.0
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	14	8.0
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	14	8.0
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	14	8.0
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG21	15	7.95
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG22	15	7.95
(1,1388)	1:65:A:LYS:HA	1:72:A:ILE:HG23	15	7.95
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	13	7.28
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	13	7.28
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	14	7.13
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	14	7.13
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	17	7.09
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	17	7.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	19	7.08
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	19	7.08
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	15	7.06
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	15	7.06
(1,1725)	1:44:A:LYS:HG2	1:54:A:PRO:HA	10	7.01
(1,1725)	1:44:A:LYS:HG3	1:54:A:PRO:HA	10	7.01
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	13	6.68
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	13	6.68
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	13	6.68
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	13	6.68
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	13	6.68
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	13	6.68
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	2	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	2	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	2	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	2	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	2	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	2	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	10	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	10	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	10	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	10	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	10	6.62
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	10	6.62
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	5	6.6
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	5	6.6
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	5	6.6
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	5	6.6
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	5	6.6
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	5	6.6
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	9	6.59
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	9	6.59
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	9	6.59
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	9	6.59
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	9	6.59
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	9	6.59
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	1	6.58
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	1	6.58
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	1	6.58
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	1	6.58
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	1	6.58
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	1	6.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	7	6.54
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	7	6.54
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	7	6.54
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	7	6.54
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	7	6.54
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	7	6.54
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	3	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	3	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	3	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	3	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	3	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	3	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	12	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	12	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	12	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	12	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	12	6.52
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	12	6.52
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	18	6.51
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	18	6.51
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	18	6.51
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	18	6.51
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	18	6.51
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	18	6.51
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	16	6.49
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	16	6.49
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	16	6.49
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	16	6.49
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	16	6.49
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	16	6.49
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	14	6.47
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	14	6.47
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	14	6.47
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	14	6.47
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	14	6.47
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	14	6.47
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	8	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	8	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	8	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	8	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	8	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	8	6.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	17	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	17	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	17	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	17	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	17	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	17	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	19	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	19	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	19	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	19	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	19	6.43
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	19	6.43
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	4	6.41
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	4	6.41
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	4	6.41
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	4	6.41
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	4	6.41
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	4	6.41
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	15	6.37
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	15	6.37
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	15	6.37
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	15	6.37
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	15	6.37
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	15	6.37
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	10	6.32
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	10	6.32
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	1	6.31
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	1	6.31
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	12	6.31
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	12	6.31
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	13	6.31
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	13	6.31
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	20	6.31
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	20	6.31
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	20	6.31
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	20	6.31
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	20	6.31
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	20	6.31
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	5	6.3
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	5	6.3
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	3	6.28
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	3	6.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	18	6.28
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	18	6.28
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	6	6.24
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	6	6.24
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	11	6.24
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	11	6.24
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	8	6.23
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	8	6.23
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	14	6.23
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	14	6.23
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	7	6.22
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	7	6.22
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	2	6.21
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	2	6.21
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	16	6.2
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	16	6.2
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	15	6.19
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	15	6.19
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	20	6.19
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	20	6.19
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	17	6.08
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	17	6.08
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	19	6.07
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	19	6.07
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	13	5.9
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	12	5.82
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	2	5.79
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	19	5.79
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	10	5.78
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	3	5.76
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	5	5.76
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	6	5.74
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	6	5.74
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	6	5.74
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	6	5.74
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	6	5.74
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	6	5.74
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	9	5.74
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD11	11	5.73
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD12	11	5.73
(1,1398)	1:65:A:LYS:HD2	1:72:A:ILE:HD13	11	5.73
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD11	11	5.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD12	11	5.73
(1,1398)	1:65:A:LYS:HD3	1:72:A:ILE:HD13	11	5.73
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	1	5.73
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	18	5.7
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	14	5.69
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	20	5.68
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	16	5.64
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	15	5.63
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	7	5.62
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	4	5.6
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	6	5.6
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	11	5.58
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	20	5.57
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	14	5.56
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	9	5.51
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	9	5.51
(1,1485)	1:21:A:GLU:HB2	1:68:A:PRO:HA	4	5.5
(1,1485)	1:21:A:GLU:HB3	1:68:A:PRO:HA	4	5.5
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	8	5.46
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	8	5.45
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	11	5.44
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	17	5.43
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	2	5.43
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	6	5.43
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	13	5.43
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	1	5.42
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	10	5.42
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	12	5.42
(1,1374)	1:66:A:LEU:HG	1:72:A:ILE:HB	15	5.41
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	7	5.41
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	5	5.39
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	3	5.38
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	18	5.38
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	9	5.37
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	4	5.35
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	16	5.33
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	13	5.21
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	13	5.21
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	13	5.21
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	6	5.2
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	11	5.2
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	19	5.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	15	5.18
(1,354)	1:21:A:GLU:H	1:68:A:PRO:HB3	17	5.18
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	7	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	2	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	2	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	2	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	19	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	19	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	19	5.17
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	10	5.15
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	10	5.15
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	10	5.15
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	8	5.14
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	12	5.13
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	12	5.13
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	12	5.13
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	2	5.1
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	16	5.09
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	4	5.07
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	7	5.07
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	7	5.07
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	7	5.07
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	19	5.07
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	19	5.07
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	19	5.07
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	9	5.06
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	9	5.06
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	6	5.06
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	6	5.06
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	6	5.06
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	16	5.05
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	16	5.05
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	16	5.05
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	4	5.04
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	4	5.04
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	17	5.04
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	17	5.03
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	17	5.03
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	17	5.03
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	18	5.02
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	18	5.02
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	18	5.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	5	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	5	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	5	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	9	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	9	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	9	5.01
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	8	5.01
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	8	5.01
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	8	5.01
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	20	5.0
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	20	5.0
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	20	5.0
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	4	5.0
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	4	5.0
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	4	5.0
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	19	4.99
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	1	4.99
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	1	4.99
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	1	4.99
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	7	4.99
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	7	4.99
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	7	4.99
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	4	4.98
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	4	4.98
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	4	4.98
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	14	4.97
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	14	4.97
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	14	4.97
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	16	4.97
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	16	4.97
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	16	4.97
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	13	4.97
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	3	4.96
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	3	4.96
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	3	4.96
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	15	4.95
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	15	4.95
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	15	4.95
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	2	4.93
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	2	4.93
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	2	4.93
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	20	4.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	12	4.92
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	12	4.92
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	12	4.92
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	3	4.92
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	11	4.91
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	11	4.91
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	11	4.91
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	12	4.9
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	5	4.89
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	17	4.87
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	17	4.87
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	17	4.87
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	6	4.86
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	6	4.86
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	6	4.86
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	1	4.86
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	20	4.85
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	20	4.85
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	20	4.85
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	7	4.85
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	7	4.85
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	7	4.85
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	4	4.84
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	4	4.84
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	4	4.84
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	18	4.84
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	18	4.84
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	18	4.84
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	10	4.84
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	8	4.83
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	8	4.83
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	8	4.83
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	8	4.83
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	8	4.83
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	8	4.83
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	11	4.83
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	11	4.83
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	11	4.83
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	2	4.82
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	16	4.81
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	16	4.81
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	16	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	17	4.81
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	17	4.81
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	17	4.81
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	14	4.81
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	19	4.81
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG21	15	4.79
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG22	15	4.79
(1,1350)	1:66:A:LEU:HG	1:72:A:ILE:HG23	15	4.79
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	2	4.79
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	2	4.79
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	2	4.79
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	9	4.79
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	19	4.78
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	19	4.78
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	19	4.78
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	9	4.77
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	20	4.77
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	18	4.76
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	18	4.74
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	9	4.74
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	9	4.74
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	9	4.74
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	13	4.74
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	13	4.74
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	13	4.74
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	12	4.73
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	3	4.72
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	3	4.72
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	3	4.72
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	5	4.72
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	5	4.72
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	5	4.72
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	10	4.72
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	10	4.72
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	10	4.72
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	14	4.72
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	14	4.72
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	14	4.72
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	1	4.71
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	1	4.71
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	1	4.71
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	1	4.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	1	4.71
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	1	4.71
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	18	4.7
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	18	4.7
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	18	4.7
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	12	4.69
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	12	4.69
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	12	4.69
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	2	4.69
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	14	4.68
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	15	4.68
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	15	4.68
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	15	4.68
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	11	4.68
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	16	4.68
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	5	4.67
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	5	4.67
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	5	4.67
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	3	4.66
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	3	4.66
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	3	4.66
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	20	4.66
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	20	4.66
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	20	4.66
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	4	4.66
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	3	4.65
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	9	4.65
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	9	4.65
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	9	4.65
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	10	4.63
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	10	4.63
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	10	4.63
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	7	4.63
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	13	4.62
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	10	4.6
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	5	4.6
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	13	4.6
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	13	4.6
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	13	4.6
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	6	4.6
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	1	4.59
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	1	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	10	4.58
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	3	4.58
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	13	4.57
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	9	4.57
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	1	4.57
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	14	4.57
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	5	4.56
(1,1354)	1:62:A:GLY:HA3	1:67:A:LYS:HA	3	4.55
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	18	4.55
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	14	4.54
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	8	4.54
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	5	4.52
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	9	4.52
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	12	4.52
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	20	4.52
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	12	4.51
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	15	4.5
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	13	4.5
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	1	4.49
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	1	4.49
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	1	4.49
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	5	4.48
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	5	4.48
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	5	4.48
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	18	4.47
(1,779)	1:66:A:LEU:HG	1:72:A:ILE:HG12	17	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	3	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	3	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	3	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	13	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	13	4.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	13	4.47
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	8	4.46
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	9	4.46
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	9	4.46
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	9	4.46
(1,970)	1:25:A:VAL:HG11	1:40:A:PRO:HA	14	4.45
(1,970)	1:25:A:VAL:HG12	1:40:A:PRO:HA	14	4.45
(1,970)	1:25:A:VAL:HG13	1:40:A:PRO:HA	14	4.45
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	19	4.44
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	15	4.43
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	7	4.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	15	4.39
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	16	4.39
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	4	4.38
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	4	4.38
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	8	4.37
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	17	4.36
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	16	4.35
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	19	4.35
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	11	4.34
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	12	4.33
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	12	4.33
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	12	4.33
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	10	4.33
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	7	4.32
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	10	4.32
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	6	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	2	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	5	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	9	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	11	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	13	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	16	4.31
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	19	4.31
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	20	4.3
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	10	4.3
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	10	4.3
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	10	4.3
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	2	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	1	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	3	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	4	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	6	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	7	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	8	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	12	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	14	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	15	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	17	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	20	4.3
(1,183)	1:36:A:THR:HB	1:38:A:VAL:H	18	4.29
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	11	4.28
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	11	4.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	11	4.28
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	5	4.28
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	10	4.28
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	13	4.28
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	1	4.27
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	18	4.27
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	18	4.27
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	18	4.27
(1,1324)	1:25:A:VAL:HG21	1:65:A:LYS:HG3	6	4.26
(1,1324)	1:25:A:VAL:HG22	1:65:A:LYS:HG3	6	4.26
(1,1324)	1:25:A:VAL:HG23	1:65:A:LYS:HG3	6	4.26
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	3	4.26
(1,454)	1:29:A:LYS:HE2	1:45:A:LEU:H	17	4.26
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	12	4.25
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	14	4.25
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	14	4.25
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	14	4.25
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	2	4.24
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	18	4.23
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	16	4.22
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	7	4.21
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	8	4.21
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	11	4.21
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	8	4.19
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	8	4.19
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	6	4.19
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	10	4.18
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	10	4.18
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	10	4.18
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	10	4.18
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	10	4.18
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	10	4.18
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	2	4.18
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	2	4.18
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	19	4.17
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	19	4.17
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	4	4.17
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	20	4.17
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	20	4.17
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	20	4.17
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	8	4.17
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	8	4.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	8	4.17
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	5	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	11	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	11	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	11	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	11	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	11	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	11	4.16
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	4	4.16
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	4	4.16
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	6	4.16
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	6	4.16
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	3	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	13	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	13	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	13	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	13	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	13	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	13	4.15
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	15	4.15
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	15	4.15
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	1	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	2	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	2	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	2	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	2	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	2	4.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	2	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	9	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	14	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	15	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	16	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	19	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	20	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	20	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	20	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	20	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	20	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	20	4.14
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	17	4.14
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	17	4.14
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	6	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	6	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	6	4.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	6	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	6	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	6	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	12	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	17	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	17	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	17	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	17	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	17	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	17	4.13
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	3	4.13
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	9	4.13
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	7	4.13
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	7	4.13
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	7	4.13
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	4	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	18	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	18	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	18	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	18	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	18	4.12
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	18	4.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	17	4.11
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	17	4.11
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	17	4.11
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	7	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG11	8	4.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG12	8	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG13	8	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG21	8	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG22	8	4.1
(1,1678)	1:36:A:THR:HB	1:38:A:VAL:HG23	8	4.1
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	7	4.1
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	7	4.1
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	7	4.1
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	7	4.1
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	7	4.1
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	7	4.1
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	12	4.1
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	12	4.1
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	12	4.1
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	12	4.1
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	12	4.1
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	12	4.1
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	1	4.1
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	5	4.1
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	10	4.1
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	13	4.1
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	14	4.1
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	4	4.1
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	4	4.1
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	4	4.1
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	6	4.09
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	6	4.09
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	6	4.09
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	6	4.09
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	6	4.09
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	6	4.09
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	3	4.09
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	3	4.09
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	18	4.09
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	16	4.08
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	16	4.08
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	14	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	2	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	2	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	2	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	16	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	16	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	16	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	19	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	19	4.08
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	19	4.08
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	17	4.07
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	17	4.07
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	17	4.07
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	17	4.07
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	17	4.07
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	17	4.07
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	9	4.07
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	12	4.07
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	4	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	4	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	4	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	4	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	4	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	4	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	11	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	11	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	11	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	11	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	11	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	11	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	19	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	19	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	19	4.06
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	19	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	19	4.06
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	19	4.06
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	14	4.06
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	14	4.06
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	19	4.06
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	2	4.05
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	2	4.05
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	2	4.05
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	2	4.05
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	2	4.05
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	2	4.05
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	11	4.05
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	11	4.05
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	20	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	10	4.04
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	10	4.04
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	5	4.04
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	5	4.04
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	5	4.04
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	4	4.04
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	17	4.04
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	8	4.03
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	8	4.03
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	8	4.03
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	8	4.03
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	8	4.03
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	8	4.03
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	7	4.03
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	7	4.03
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	20	4.02
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	3	4.01
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	3	4.01
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	3	4.01
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	12	4.0
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	12	4.0
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	13	4.0
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	13	4.0
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	15	3.99
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	15	3.99
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	15	3.99
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	15	3.99
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	15	3.99
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	15	3.99
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	9	3.99
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	9	3.99
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	1	3.99
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	1	3.99
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	9	3.99
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	9	3.99
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	18	3.99
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	18	3.99
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	18	3.99
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	16	3.98
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	16	3.98
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	16	3.98
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	16	3.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	16	3.98
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	16	3.98
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	4	3.98
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	4	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	13	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	13	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	13	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	14	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	14	3.98
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	14	3.98
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	6	3.97
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	16	3.97
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	9	3.96
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	9	3.96
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	9	3.96
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	10	3.96
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	10	3.96
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	10	3.96
(1,928)	1:5:A:ILE:HB	1:21:A:GLU:HA	15	3.96
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	18	3.95
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	18	3.95
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	18	3.95
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	18	3.94
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	18	3.94
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	17	3.94
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	11	3.94
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	11	3.94
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	11	3.94
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	8	3.93
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	8	3.93
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	8	3.93
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	8	3.93
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	8	3.93
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	8	3.93
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	19	3.93
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	5	3.92
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	5	3.92
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	11	3.92
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	17	3.92
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	1	3.91
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	1	3.91
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	1	3.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	1	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	1	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	1	3.91
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	10	3.91
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	10	3.91
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	10	3.91
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	10	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	10	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	10	3.91
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	18	3.91
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	18	3.91
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	18	3.91
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	18	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	18	3.91
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	18	3.91
(1,1327)	1:53:A:LYS:HD2	1:56:A:GLU:HB2	20	3.91
(1,1327)	1:53:A:LYS:HD3	1:56:A:GLU:HB2	20	3.91
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	2	3.91
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	7	3.91
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	8	3.91
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	19	3.91
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	8	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	6	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	6	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	6	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	15	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	15	3.91
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	15	3.91
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	20	3.91
(1,1290)	1:61:A:LEU:HB3	1:65:A:LYS:HB2	15	3.9
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	7	3.9
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	12	3.9
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	7	3.89
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	7	3.89
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	7	3.89
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	7	3.89
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	7	3.89
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	7	3.89
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	1	3.89
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	4	3.89
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	14	3.89
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	17	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	11	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	16	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	16	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	16	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	16	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	16	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	16	3.88
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	20	3.88
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	20	3.88
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	20	3.88
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	20	3.88
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	20	3.88
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	20	3.88
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	4	3.88
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	4	3.88
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	4	3.88
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	3	3.88
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	6	3.88
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	15	3.88
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	18	3.88
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	20	3.88
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	4	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	6	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	6	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	6	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	6	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	6	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	6	3.87
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	19	3.87
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	2	3.86
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	2	3.86
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	2	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	2	3.86
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	2	3.86
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	2	3.86
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	2	3.86
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	9	3.86
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	10	3.86
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	12	3.86
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	12	3.86
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	12	3.86
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	17	3.85
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	17	3.85
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	17	3.85
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	17	3.85
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	17	3.85
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	17	3.85
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	3	3.85
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	3	3.85
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	3	3.85
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	3	3.85
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	3	3.85
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	3	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	16	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	16	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	16	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	20	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	20	3.85
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	20	3.85
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	5	3.84
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	5	3.84
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	5	3.84
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	5	3.84
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	5	3.84
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	5	3.84
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	9	3.84
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	9	3.84
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	9	3.84
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	9	3.84
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	9	3.84
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	9	3.84
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	10	3.84
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	10	3.84
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	12	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	12	3.84
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	7	3.84
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	7	3.84
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	7	3.84
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	5	3.84
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	11	3.84
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	13	3.84
(1,1074)	1:33:A:LYS:HD2	1:37:A:GLY:HA2	16	3.84
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	14	3.84
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	19	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	19	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	19	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	19	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	19	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	19	3.83
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	11	3.83
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	11	3.83
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	11	3.83
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	5	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	5	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	5	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	5	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	5	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	5	3.82
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	1	3.82
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	1	3.82
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	13	3.82
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	13	3.82
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	3	3.82
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	10	3.82
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	12	3.82
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	13	3.82
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	1	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	13	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	13	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	13	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	13	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	13	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	13	3.81
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	3	3.81
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	3	3.81
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	6	3.81
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	6	3.81
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	1	3.81
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	18	3.81
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	18	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	18	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	18	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	18	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	18	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	18	3.8
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	5	3.8
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	5	3.8
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	8	3.8
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	8	3.8
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	10	3.8
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	5	3.8
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	3	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	9	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	9	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	9	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	9	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	9	3.79
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	9	3.79
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	2	3.79
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	15	3.79
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	2	3.78
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	2	3.78
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	7	3.78
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	7	3.78
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	19	3.78
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	1	3.78
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	1	3.78
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	1	3.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	3	3.78
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	3	3.78
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	3	3.78
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	11	3.77
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	11	3.77
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	5	3.77
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	9	3.77
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	13	3.77
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	12	3.76
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	12	3.76
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	12	3.76
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	12	3.76
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	12	3.76
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	12	3.76
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	13	3.76
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	13	3.76
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	13	3.76
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	13	3.76
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	13	3.76
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	13	3.76
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	15	3.76
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	15	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	6	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	6	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	6	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	12	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	12	3.76
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	12	3.76
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	11	3.76
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	18	3.75
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	18	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	1	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	6	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	12	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	14	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	15	3.75
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	20	3.75
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	16	3.74
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	16	3.74
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	3	3.74
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	7	3.74
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	16	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	17	3.74
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	5	3.74
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	5	3.74
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	5	3.74
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	14	3.73
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	14	3.73
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	4	3.73
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	15	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	20	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	20	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	20	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	20	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	20	3.72
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	20	3.72
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	9	3.72
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	9	3.72
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	9	3.72
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	8	3.71
(1,1104)	1:36:A:THR:HB	1:38:A:VAL:HB	18	3.7
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	10	3.69
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	10	3.69
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	10	3.69
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	10	3.69
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	10	3.69
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	10	3.69
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	14	3.69
(1,1622)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	14	3.69
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	14	3.69
(1,1622)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	14	3.69
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	14	3.69
(1,1622)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	14	3.69
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	8	3.69
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	20	3.68
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	20	3.68
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	13	3.68
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	13	3.68
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	13	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	11	3.68
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD11	14	3.67
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD12	14	3.67
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD13	14	3.67
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD21	14	3.67
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD22	14	3.67
(1,1745)	1:48:A:LEU:H	1:64:A:LEU:HD23	14	3.67
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	2	3.67
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	9	3.67
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	8	3.66
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	8	3.66
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	8	3.66
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	4	3.66
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	4	3.66
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	4	3.66
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	13	3.66
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	13	3.66
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	13	3.66
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	6	3.66
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	7	3.66
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	4	3.65
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	4	3.65
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	4	3.65
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	9	3.64
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	9	3.64
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	9	3.64
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	16	3.63
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	16	3.63
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	16	3.63
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	17	3.62
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	17	3.62
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	6	3.62
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	6	3.62
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	6	3.62
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	20	3.62
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	20	3.62
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	20	3.62
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	1	3.62
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	1	3.62
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	1	3.62
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	5	3.62
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	5	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	5	3.62
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	10	3.62
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	10	3.62
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	10	3.62
(1,1600)	1:21:A:GLU:HG2	1:68:A:PRO:HB2	19	3.61
(1,1600)	1:21:A:GLU:HG3	1:68:A:PRO:HB2	19	3.61
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	12	3.61
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	12	3.61
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	7	3.61
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	7	3.61
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	7	3.61
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	3	3.61
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	3	3.61
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	3	3.61
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	12	3.61
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	12	3.61
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	12	3.61
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	10	3.6
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	10	3.6
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	10	3.6
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	18	3.6
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	18	3.6
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	18	3.6
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	16	3.6
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	6	3.59
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	6	3.59
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	6	3.59
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	6	3.59
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	6	3.59
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	6	3.59
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	2	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	2	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	2	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	2	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	2	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	2	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	7	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	7	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	7	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	7	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	7	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	7	3.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	11	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	11	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	11	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	11	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	11	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	11	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	12	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	12	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	12	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	12	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	12	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	12	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	19	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	19	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	19	3.58
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	19	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	19	3.58
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	19	3.58
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	11	3.58
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	11	3.58
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	11	3.58
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	2	3.58
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	2	3.58
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	2	3.58
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	6	3.58
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	6	3.58
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	6	3.58
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	17	3.57
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	17	3.57
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	17	3.57
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	17	3.57
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	17	3.57
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	17	3.57
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	12	3.57
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	12	3.57
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	12	3.57
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	12	3.57
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	12	3.57
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	12	3.57
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	8	3.57
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	8	3.57
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	8	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	11	3.56
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	11	3.56
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	11	3.56
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	4	3.56
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	7	3.55
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	7	3.55
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	7	3.55
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	16	3.55
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	16	3.55
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	16	3.55
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	1	3.54
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	1	3.54
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	4	3.54
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	4	3.54
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	4	3.54
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	4	3.54
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	4	3.54
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	4	3.54
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	8	3.54
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	8	3.54
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	8	3.54
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	2	3.54
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	2	3.54
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	2	3.54
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	3	3.53
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	3	3.53
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	5	3.53
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	5	3.53
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	10	3.53
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	10	3.53
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	8	3.53
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	8	3.53
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	8	3.53
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	8	3.53
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	8	3.53
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	8	3.53
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	17	3.53
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	17	3.53
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	17	3.53
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	6	3.53
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	6	3.53
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	6	3.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	2	3.53
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	9	3.52
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	9	3.52
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	18	3.52
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	18	3.52
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	15	3.52
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	15	3.52
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	15	3.52
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	15	3.52
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	15	3.52
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	15	3.52
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	6	3.52
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	6	3.52
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	6	3.52
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	6	3.52
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	6	3.52
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	6	3.52
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	7	3.52
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	7	3.52
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	7	3.52
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	7	3.52
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	7	3.52
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	7	3.52
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	11	3.52
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	11	3.52
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	11	3.52
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	6	3.52
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	16	3.52
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	13	3.51
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	13	3.51
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	14	3.51
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	14	3.51
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	16	3.51
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	16	3.51
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	16	3.51
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	16	3.51
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	16	3.51
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	16	3.51
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	14	3.51
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	14	3.51
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	14	3.51
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	19	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	19	3.51
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	19	3.51
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	10	3.51
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	19	3.51
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	4	3.5
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	4	3.5
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	4	3.5
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	4	3.5
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	4	3.5
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	4	3.5
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	3	3.5
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	4	3.5
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	11	3.5
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	8	3.49
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	20	3.48
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	20	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	8	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	8	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	8	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	8	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	8	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	8	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	11	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	11	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	11	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	11	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	11	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	11	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	17	3.48
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	17	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	17	3.48
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	17	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	17	3.48
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	17	3.48
(1,975)	1:25:A:VAL:HG21	1:45:A:LEU:HB2	15	3.48
(1,975)	1:25:A:VAL:HG22	1:45:A:LEU:HB2	15	3.48
(1,975)	1:25:A:VAL:HG23	1:45:A:LEU:HB2	15	3.48
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	15	3.48
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	17	3.48
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	20	3.48
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	15	3.47
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	15	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	15	3.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	8	3.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	8	3.47
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	8	3.47
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	9	3.47
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	12	3.47
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	13	3.47
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	14	3.47
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	17	3.46
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	17	3.46
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	17	3.46
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	1	3.46
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	2	3.45
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	2	3.45
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	2	3.45
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	2	3.45
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	2	3.45
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	2	3.45
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	19	3.45
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	19	3.45
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	19	3.45
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	19	3.45
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	19	3.45
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	19	3.45
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	19	3.45
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	19	3.45
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	19	3.45
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	5	3.45
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	7	3.45
(1,642)	1:8:A:LYS:HB3	1:74:A:MET:H	18	3.45
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	10	3.44
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	10	3.44
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	10	3.44
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	10	3.44
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	10	3.44
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	10	3.44
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	16	3.44
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	16	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	16	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	16	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	16	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	16	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	18	3.44
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	18	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	18	3.44
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	18	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	18	3.44
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	18	3.44
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	14	3.44
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	14	3.44
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	14	3.44
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	16	3.44
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	16	3.44
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	16	3.44
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	17	3.44
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	15	3.43
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	15	3.43
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	18	3.43
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	18	3.43
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	18	3.43
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	18	3.43
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	18	3.43
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	18	3.43
(1,785)	1:5:A:ILE:HG21	1:61:A:LEU:HG	20	3.43
(1,785)	1:5:A:ILE:HG22	1:61:A:LEU:HG	20	3.43
(1,785)	1:5:A:ILE:HG23	1:61:A:LEU:HG	20	3.43
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	7	3.43
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	7	3.43
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	7	3.43
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	4	3.42
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	4	3.42
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	6	3.42
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	6	3.42
(1,356)	1:5:A:ILE:HG12	1:21:A:GLU:H	19	3.42
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	11	3.41
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	11	3.41
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	20	3.41
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	20	3.41
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	20	3.41
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	20	3.41
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	20	3.41
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	20	3.41
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	1	3.4
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	1	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	1	3.4
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	1	3.4
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	1	3.4
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	1	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	2	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	2	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	2	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	4	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	4	3.4
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	4	3.4
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	7	3.39
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	7	3.39
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	8	3.39
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	8	3.39
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	16	3.38
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	16	3.38
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	3	3.38
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	3	3.38
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	3	3.38
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	3	3.38
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	3	3.38
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	3	3.38
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	5	3.38
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	5	3.38
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	5	3.38
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	5	3.38
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	5	3.38
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	5	3.38
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	1	3.37
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	1	3.37
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	1	3.37
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	1	3.37
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	1	3.37
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	1	3.37
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	7	3.37
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	16	3.37
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	17	3.37
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	17	3.37
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	17	3.37
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	2	3.37
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	17	3.36
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	17	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	19	3.36
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	19	3.36
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	9	3.36
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	9	3.36
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	9	3.36
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	9	3.36
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	9	3.36
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	9	3.36
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	15	3.36
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	15	3.36
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	15	3.36
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	15	3.36
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	15	3.36
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	15	3.36
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	6	3.36
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	12	3.36
(1,1474)	1:29:A:LYS:HG2	1:40:A:PRO:HA	2	3.35
(1,1474)	1:29:A:LYS:HG3	1:40:A:PRO:HA	2	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	3	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	8	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	13	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	17	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	18	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	19	3.35
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	19	3.35
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	19	3.35
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	19	3.35
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	1	3.34
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	4	3.34
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	5	3.34
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	19	3.34
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	2	3.33
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	11	3.33
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	9	3.32
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	10	3.32
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	14	3.32
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	15	3.32
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	13	3.31
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	13	3.31
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	13	3.31
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	13	3.31
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	13	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	13	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	3	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	3	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	3	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	3	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	3	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	3	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	5	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	5	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	5	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	5	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	5	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	5	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	20	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	20	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	20	3.31
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	20	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	20	3.31
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	20	3.31
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	9	3.31
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	9	3.31
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	9	3.31
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	10	3.31
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	9	3.3
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	9	3.3
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	9	3.3
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	9	3.3
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	9	3.3
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	9	3.3
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	10	3.3
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	10	3.3
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	10	3.3
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	10	3.3
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	10	3.3
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	10	3.3
(1,1375)	1:45:A:LEU:HB3	1:72:A:ILE:HB	20	3.3
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD11	15	3.26
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD12	15	3.26
(1,710)	1:48:A:LEU:H	1:64:A:LEU:HD13	15	3.26
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	7	3.25
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	7	3.25
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	7	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	7	3.25
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	7	3.25
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	7	3.25
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	12	3.25
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	12	3.25
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	12	3.25
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	12	3.25
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	12	3.25
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	12	3.25
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	6	3.24
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	6	3.24
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	6	3.24
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	6	3.24
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	6	3.24
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	6	3.24
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD2	14	3.23
(1,1466)	1:25:A:VAL:HG11	1:40:A:PRO:HD3	14	3.23
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD2	14	3.23
(1,1466)	1:25:A:VAL:HG12	1:40:A:PRO:HD3	14	3.23
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD2	14	3.23
(1,1466)	1:25:A:VAL:HG13	1:40:A:PRO:HD3	14	3.23
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	13	3.23
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	13	3.23
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	13	3.23
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	13	3.23
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	13	3.23
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	13	3.23
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	3	3.23
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	3	3.23
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	3	3.23
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	17	3.22
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	17	3.22
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	17	3.22
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	17	3.22
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	17	3.22
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	17	3.22
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	13	3.22
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	13	3.22
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	13	3.22
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	4	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	4	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	4	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	4	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	4	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	4	3.21
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	11	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	11	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	11	3.21
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	11	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	11	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	11	3.21
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	19	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	19	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	19	3.21
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	19	3.21
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	19	3.21
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	19	3.21
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	18	3.21
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	18	3.21
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	18	3.21
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	18	3.21
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	18	3.21
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	18	3.21
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	1	3.2
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	1	3.2
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	1	3.2
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	1	3.2
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	1	3.2
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	1	3.2
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	2	3.2
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	2	3.2
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	2	3.2
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	2	3.2
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	2	3.2
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	2	3.2
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	18	3.2
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	3	3.19
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	3	3.19
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	3	3.19
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	5	3.19
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	5	3.19
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	5	3.19
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	12	3.19
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	12	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	12	3.19
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	4	3.19
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	8	3.18
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	8	3.18
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	8	3.18
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	8	3.18
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	8	3.18
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	8	3.18
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	1	3.18
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	3	3.18
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	1	3.18
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	1	3.18
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	1	3.18
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	6	3.18
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	8	3.18
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	5	3.17
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	10	3.17
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	12	3.16
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	10	3.16
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	10	3.16
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	10	3.16
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	15	3.16
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	18	3.15
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	5	3.15
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	5	3.15
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	5	3.15
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	15	3.14
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	15	3.14
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	15	3.14
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	15	3.14
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	15	3.14
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	15	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	1	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	1	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	1	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	13	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	13	3.14
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	13	3.14
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	17	3.14
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	16	3.13
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	16	3.13
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	16	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	16	3.13
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	16	3.13
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	16	3.13
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	14	3.13
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	14	3.13
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	14	3.13
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB2	14	3.12
(1,1462)	1:25:A:VAL:HG11	1:40:A:PRO:HB3	14	3.12
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB2	14	3.12
(1,1462)	1:25:A:VAL:HG12	1:40:A:PRO:HB3	14	3.12
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB2	14	3.12
(1,1462)	1:25:A:VAL:HG13	1:40:A:PRO:HB3	14	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	3	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	3	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	3	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	9	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	9	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	9	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	12	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	12	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	12	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	20	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	20	3.12
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	20	3.12
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	12	3.12
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	5	3.11
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	5	3.11
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	5	3.11
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	14	3.11
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	14	3.11
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	14	3.11
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	3	3.11
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	11	3.11
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	16	3.11
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	15	3.1
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	15	3.1
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	15	3.1
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	15	3.1
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	15	3.1
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	15	3.1
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	1	3.1
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	1	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	1	3.1
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	9	3.1
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	11	3.08
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	11	3.08
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	11	3.08
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	13	3.08
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	12	3.07
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	12	3.07
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	12	3.07
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	1	3.07
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	5	3.07
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	13	3.07
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	1	3.07
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	1	3.07
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	1	3.07
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	1	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	1	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	1	3.06
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	1	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	1	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	1	3.06
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	10	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	10	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	10	3.06
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	10	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	10	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	10	3.06
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	18	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	18	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	18	3.06
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	18	3.06
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	18	3.06
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	18	3.06
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	17	3.06
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	12	3.06
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	14	3.05
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	14	3.05
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	7	3.05
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	20	3.05
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	20	3.05
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	20	3.05
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	19	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	2	3.04
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	2	3.04
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	2	3.04
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	5	3.04
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	14	3.04
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	2	3.03
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	17	3.03
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	17	3.03
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	17	3.03
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	17	3.03
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	17	3.03
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	17	3.03
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	20	3.03
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	20	3.03
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	20	3.03
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	20	3.03
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	20	3.03
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	20	3.03
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	15	3.03
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	15	3.03
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	15	3.03
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	8	3.03
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	2	3.03
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	2	3.03
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	2	3.03
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	10	3.03
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	10	3.03
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	10	3.03
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	3	3.03
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	3	3.03
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	3	3.03
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	5	3.03
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	5	3.03
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	5	3.03
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	18	3.03
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	20	3.03
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	19	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	19	3.02
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	19	3.02
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	19	3.02
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	19	3.02
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	19	3.02
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	18	3.02
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	18	3.02
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	18	3.02
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	9	3.02
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	9	3.02
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	9	3.02
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD21	14	3.02
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD22	14	3.02
(1,480)	1:48:A:LEU:H	1:64:A:LEU:HD23	14	3.02
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	3	3.02
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	9	3.02
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	20	3.01
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	20	3.01
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	20	3.01
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	2	3.01
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	3	3.01
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	3	3.01
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	3	3.01
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	17	3.01
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	3	3.0
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	3	3.0
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	3	3.0
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	3	3.0
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	3	3.0
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	3	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	8	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	8	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	8	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	9	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	9	3.0
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	9	3.0
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	5	3.0
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	5	3.0
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	5	3.0
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	14	3.0
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	7	3.0
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	7	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	7	3.0
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	12	3.0
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	12	3.0
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	12	3.0
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	19	3.0
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	1	2.99
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	1	2.99
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	5	2.99
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	5	2.99
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	5	2.99
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	5	2.99
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	5	2.99
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	5	2.99
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	9	2.99
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	9	2.99
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	9	2.99
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	9	2.99
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	9	2.99
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	9	2.99
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	10	2.99
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	10	2.99
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	10	2.99
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	13	2.99
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	13	2.99
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	13	2.99
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	4	2.98
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	4	2.98
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	4	2.98
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	6	2.98
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	1	2.98
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	16	2.97
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	11	2.97
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	11	2.97
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	11	2.97
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	16	2.96
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	16	2.96
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	16	2.96
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	19	2.95
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	19	2.95
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	19	2.95
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	11	2.95
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	17	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	17	2.94
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	17	2.94
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	6	2.94
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	6	2.94
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	6	2.94
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	8	2.94
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	8	2.94
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	8	2.94
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	4	2.93
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	4	2.93
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	4	2.93
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	9	2.93
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	17	2.93
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	19	2.93
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	5	2.92
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	18	2.92
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	8	2.92
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	19	2.92
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	19	2.92
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	19	2.92
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	13	2.92
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	13	2.91
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	13	2.91
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	13	2.91
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	13	2.91
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	13	2.91
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	13	2.91
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	13	2.91
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	13	2.91
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	13	2.91
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	12	2.91
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	7	2.91
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	7	2.91
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	7	2.91
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	8	2.91
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	8	2.91
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	8	2.91
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	9	2.91
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	9	2.91
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	9	2.91
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	14	2.91
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	14	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	14	2.91
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	8	2.91
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	8	2.91
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	8	2.91
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	4	2.91
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	4	2.91
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	4	2.91
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	11	2.9
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	11	2.9
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	19	2.9
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	19	2.9
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	4	2.9
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	1	2.9
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	1	2.9
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	1	2.9
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	6	2.9
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	6	2.9
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	6	2.9
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	10	2.9
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	15	2.89
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	15	2.89
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	16	2.89
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	16	2.89
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	16	2.89
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	3	2.89
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	1	2.89
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	3	2.89
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	14	2.89
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	18	2.89
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	15	2.89
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	15	2.89
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	15	2.89
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	4	2.89
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	20	2.89
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	10	2.88
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	10	2.88
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	10	2.88
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	17	2.88
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	17	2.88
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	17	2.88
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	7	2.88
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	15	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	17	2.88
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	20	2.88
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	12	2.88
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	12	2.88
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	12	2.88
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	7	2.88
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	7	2.88
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	7	2.88
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	14	2.87
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	6	2.87
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	16	2.87
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	16	2.87
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	16	2.87
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	20	2.87
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	20	2.87
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	20	2.87
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	12	2.87
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	12	2.87
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	12	2.87
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	11	2.87
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	9	2.87
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	9	2.87
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	9	2.87
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	14	2.87
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	14	2.87
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	14	2.87
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	2	2.86
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	2	2.86
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	2	2.86
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	2	2.86
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	2	2.86
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	2	2.86
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	17	2.86
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	17	2.86
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	17	2.86
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	18	2.86
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	18	2.86
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	18	2.86
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	6	2.85
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	6	2.85
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	6	2.85
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	7	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	7	2.85
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	7	2.85
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	9	2.85
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	11	2.85
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	13	2.85
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	15	2.85
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	15	2.85
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	15	2.85
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG2	14	2.84
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG2	14	2.84
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG2	14	2.84
(1,1472)	1:25:A:VAL:HG11	1:40:A:PRO:HG3	14	2.84
(1,1472)	1:25:A:VAL:HG12	1:40:A:PRO:HG3	14	2.84
(1,1472)	1:25:A:VAL:HG13	1:40:A:PRO:HG3	14	2.84
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	2	2.84
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	19	2.84
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	8	2.84
(1,358)	1:16:A:VAL:HG11	1:21:A:GLU:H	20	2.84
(1,358)	1:16:A:VAL:HG12	1:21:A:GLU:H	20	2.84
(1,358)	1:16:A:VAL:HG13	1:21:A:GLU:H	20	2.84
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	16	2.83
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	5	2.83
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	9	2.83
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	10	2.82
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	10	2.82
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	17	2.82
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	17	2.82
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	4	2.82
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	4	2.82
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD11	19	2.82
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD12	19	2.82
(1,1396)	1:45:A:LEU:HB2	1:72:A:ILE:HD13	19	2.82
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	4	2.82
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	7	2.82
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	10	2.82
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	20	2.82
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	16	2.82
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	15	2.82
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	15	2.82
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	15	2.82
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	16	2.82
(1,234)	1:37:A:GLY:HA2	1:79:A:GLU:H	7	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	10	2.81
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	13	2.81
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	6	2.81
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	13	2.8
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	13	2.8
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	13	2.8
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	13	2.8
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	13	2.8
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	13	2.8
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	6	2.8
(1,1127)	1:33:A:LYS:HD3	1:38:A:VAL:HB	11	2.8
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	4	2.8
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	4	2.8
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	4	2.8
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	5	2.79
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	10	2.79
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	12	2.79
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	12	2.79
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	12	2.79
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	12	2.79
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	12	2.79
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	12	2.79
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	11	2.79
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	11	2.79
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	11	2.79
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	18	2.79
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	18	2.79
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	18	2.79
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	4	2.79
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	14	2.78
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	14	2.78
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	14	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	14	2.78
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	14	2.78
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	14	2.78
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	20	2.78
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	20	2.78
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	20	2.78
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	20	2.78
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	20	2.78
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	20	2.78
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	12	2.78
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	12	2.78
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	6	2.78
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	6	2.78
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	9	2.78
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	9	2.78
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	1	2.78
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	1	2.78
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	1	2.78
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	19	2.78
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	19	2.78
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	19	2.78
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	7	2.78
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	18	2.77
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	18	2.77
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	18	2.77
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	18	2.77
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	18	2.77
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	18	2.77
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	19	2.77
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	19	2.77
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	19	2.77
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	3	2.76
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	3	2.76
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	8	2.76
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	8	2.76
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	3	2.76
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	3	2.76
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	3	2.76
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	5	2.76
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	5	2.76
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	5	2.76
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	14	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	11	2.76
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	11	2.76
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	11	2.76
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	17	2.76
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	17	2.76
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	17	2.76
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	16	2.76
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	16	2.76
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	16	2.76
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	12	2.75
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	12	2.75
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	15	2.75
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	15	2.75
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	6	2.75
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	13	2.75
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	13	2.75
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	13	2.75
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	20	2.75
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	4	2.75
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	4	2.75
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	4	2.75
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	9	2.74
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	9	2.74
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	9	2.74
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	9	2.74
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	9	2.74
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	9	2.74
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	11	2.74
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	11	2.74
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	17	2.74
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	17	2.74
(1,1288)	1:61:A:LEU:HA	1:65:A:LYS:HD2	11	2.74
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	10	2.74
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	10	2.74
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	10	2.74
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	7	2.74
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	7	2.74
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	7	2.74
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	19	2.74
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	3	2.73
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	3	2.73
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	10	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	10	2.73
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	10	2.73
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	6	2.73
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	6	2.73
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	6	2.73
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	8	2.73
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	8	2.73
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	8	2.73
(1,876)	1:16:A:VAL:HG21	1:31:A:PHE:HD1	16	2.73
(1,876)	1:16:A:VAL:HG22	1:31:A:PHE:HD1	16	2.73
(1,876)	1:16:A:VAL:HG23	1:31:A:PHE:HD1	16	2.73
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	17	2.73
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	17	2.73
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	17	2.73
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	20	2.73
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	17	2.73
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	15	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	15	2.72
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	15	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	15	2.72
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	15	2.72
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	3	2.72
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	3	2.72
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	3	2.72
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	3	2.72
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	3	2.72
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	3	2.72
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	14	2.72
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	14	2.72
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	5	2.72
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	5	2.72
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	5	2.72
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	12	2.72
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	12	2.72
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	12	2.72
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	16	2.72
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	2	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	2	2.71
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	2	2.71
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	2	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	2	2.71
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	2	2.71
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	2	2.71
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	2	2.71
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	10	2.71
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	10	2.71
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	10	2.71
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	3	2.71
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	3	2.71
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	3	2.71
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	15	2.71
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	17	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	17	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	17	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	19	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	19	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	19	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	19	2.7
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	19	2.7
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	1	2.7
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	1	2.7
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	20	2.7
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	20	2.7
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	1	2.7
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	1	2.7
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	1	2.7
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	18	2.7
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	18	2.7
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	18	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	1	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	2	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	3	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	4	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	5	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	7	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	10	2.7
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	19	2.7
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	5	2.69
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	5	2.69
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	18	2.69
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	18	2.69
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	3	2.69
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	3	2.69
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	3	2.69
(1,1109)	1:36:A:THR:HG21	1:74:A:MET:HB3	18	2.69
(1,1109)	1:36:A:THR:HG22	1:74:A:MET:HB3	18	2.69
(1,1109)	1:36:A:THR:HG23	1:74:A:MET:HB3	18	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	9	2.69
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	14	2.69
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	2	2.69
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	15	2.69
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	14	2.69
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	18	2.68
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	13	2.68
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	13	2.68
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	13	2.68
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	4	2.68
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	8	2.68
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	13	2.68
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	17	2.67
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	15	2.66
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	15	2.66
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	15	2.66
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	7	2.66
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	19	2.66
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	12	2.66
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	6	2.65
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	6	2.65
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	6	2.65
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	6	2.65
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	6	2.65
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	6	2.65
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	13	2.65
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	13	2.65
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	13	2.65
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	12	2.65
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	15	2.65
(1,458)	1:29:A:LYS:HD3	1:45:A:LEU:H	17	2.65
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	11	2.64
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	11	2.64
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	11	2.64
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	11	2.64
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	11	2.64
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	11	2.64
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	6	2.64
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	6	2.64
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	6	2.64
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	18	2.64
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	7	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	7	2.63
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	7	2.63
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	7	2.63
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	7	2.63
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	7	2.63
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	2	2.63
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	2	2.63
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	2	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	2	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	3	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	10	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	13	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	16	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	17	2.63
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	19	2.63
(1,930)	1:21:A:GLU:HA	1:28:A:LEU:HB3	15	2.63
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	2	2.63
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	2	2.63
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	2	2.63
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	20	2.63
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	20	2.63
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	20	2.63
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	12	2.63
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	9	2.63
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	4	2.62
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	16	2.62
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	16	2.62
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	16	2.62
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	16	2.62
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	16	2.62
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	16	2.62
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	19	2.62
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	19	2.62
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	19	2.62
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	8	2.62
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	8	2.62
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	8	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	14	2.62
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	14	2.62
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	14	2.62
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	6	2.62
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	5	2.61
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	5	2.61
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	5	2.61
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	4	2.61
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	5	2.61
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	8	2.61
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	12	2.61
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	17	2.61
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	17	2.61
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	17	2.61
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	16	2.61
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	16	2.61
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	16	2.61
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	9	2.61
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	11	2.61
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	12	2.6
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	12	2.6
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	14	2.6
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	14	2.6
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	14	2.6
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	11	2.6
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	15	2.6
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	7	2.6
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	7	2.6
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	7	2.6
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	11	2.6
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	11	2.6
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	11	2.6
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	5	2.6
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	8	2.6
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	4	2.6
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	13	2.59
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	13	2.59
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB1	17	2.59
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB2	17	2.59
(1,1308)	1:50:A:VAL:HB	1:63:A:ALA:HB3	17	2.59
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	1	2.59
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	9	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	7	2.59
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	7	2.59
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	7	2.59
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	11	2.59
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	11	2.59
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	11	2.59
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	19	2.59
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	19	2.59
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	19	2.59
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	6	2.59
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	6	2.59
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	6	2.59
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	13	2.59
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	13	2.59
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	10	2.58
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	10	2.58
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	16	2.58
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	16	2.58
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	16	2.58
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	1	2.58
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	1	2.58
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	1	2.58
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	9	2.58
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	9	2.58
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	9	2.58
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	20	2.58
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	2	2.58
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	2	2.58
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	2	2.58
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	4	2.58
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	4	2.58
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	4	2.58
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	6	2.58
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	6	2.58
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	6	2.58
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	8	2.58
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	8	2.58
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	8	2.58
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	16	2.58
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	16	2.58
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	16	2.58
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	4	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	4	2.58
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	4	2.58
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	3	2.58
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	19	2.58
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	6	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	6	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	6	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	7	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	7	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	7	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	13	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	13	2.57
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	13	2.57
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	7	2.57
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	7	2.57
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	7	2.57
(1,1185)	1:45:A:LEU:HA	1:72:A:ILE:HB	14	2.57
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	9	2.57
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	9	2.57
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	9	2.57
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	2	2.57
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	17	2.57
(1,17)	1:63:A:ALA:H	1:65:A:LYS:HB2	20	2.57
(1,1771)	1:50:A:VAL:HG11	1:56:A:GLU:H	8	2.56
(1,1771)	1:50:A:VAL:HG12	1:56:A:GLU:H	8	2.56
(1,1771)	1:50:A:VAL:HG13	1:56:A:GLU:H	8	2.56
(1,1771)	1:50:A:VAL:HG21	1:56:A:GLU:H	8	2.56
(1,1771)	1:50:A:VAL:HG22	1:56:A:GLU:H	8	2.56
(1,1771)	1:50:A:VAL:HG23	1:56:A:GLU:H	8	2.56
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	18	2.56
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	18	2.56
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	5	2.56
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	5	2.56
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	1	2.56
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	1	2.56
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	10	2.56
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	10	2.56
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	10	2.56
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	16	2.56
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	16	2.56
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	16	2.56
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	15	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	15	2.56
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	15	2.56
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	15	2.56
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	15	2.56
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	15	2.56
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	18	2.56
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	4	2.55
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	4	2.55
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	9	2.55
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	9	2.55
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	3	2.55
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	3	2.55
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	18	2.55
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	18	2.55
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	18	2.55
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	10	2.55
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	3	2.54
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	3	2.54
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	11	2.54
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	11	2.54
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	16	2.54
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	16	2.54
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	13	2.54
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	13	2.54
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	6	2.54
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	6	2.54
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	6	2.54
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	6	2.54
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	6	2.54
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	6	2.53
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	6	2.53
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	9	2.53
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	9	2.53
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	5	2.53
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	5	2.53
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	6	2.53
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	6	2.53
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	5	2.52
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	5	2.52
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	7	2.52
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	7	2.52
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	17	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	17	2.52
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	15	2.52
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	6	2.52
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	18	2.52
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	15	2.52
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	15	2.52
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	19	2.52
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	19	2.52
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	1	2.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	1	2.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	1	2.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	1	2.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	1	2.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	1	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	1	2.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	1	2.51
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	8	2.51
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	8	2.51
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	15	2.51
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	15	2.51
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	8	2.51
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	8	2.51
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	18	2.51
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	18	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	5	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	5	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	5	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	19	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	19	2.51
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	19	2.51
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	4	2.51
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	4	2.51
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	4	2.51
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	2	2.51
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	2	2.51
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	4	2.51
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	4	2.51
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	14	2.5
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	14	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	2	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	2	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	2	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	4	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	4	2.5
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	4	2.5
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	11	2.5
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	11	2.5
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	11	2.5
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	20	2.5
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	20	2.5
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	20	2.5
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	6	2.49
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	6	2.49
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	6	2.49
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	6	2.49
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	6	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	6	2.49
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	11	2.49
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	11	2.49
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	11	2.49
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	11	2.49
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	11	2.49
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	11	2.49
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	18	2.49
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	18	2.49
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	2	2.49
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	2	2.49
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	7	2.49
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	7	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	1	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	1	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	1	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	9	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	9	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	9	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	17	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	17	2.49
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	17	2.49
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	17	2.49
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	17	2.49
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	17	2.49
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	8	2.49
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	8	2.49
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	15	2.49
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	18	2.49
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	13	2.49
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	8	2.49
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	8	2.49
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	16	2.49
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	16	2.49
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	9	2.49
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	10	2.49
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	13	2.49
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	1	2.48
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	1	2.48
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	12	2.48
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	12	2.48
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	11	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	11	2.48
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	11	2.48
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	18	2.48
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	18	2.48
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	18	2.48
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	7	2.48
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	17	2.48
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	19	2.48
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	19	2.48
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	19	2.48
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	1	2.48
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	7	2.48
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	7	2.48
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	7	2.48
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	9	2.48
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	9	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	1	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	2	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	3	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	5	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	6	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	11	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	14	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	15	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	16	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	17	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	19	2.48
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	20	2.48
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	20	2.47
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	20	2.47
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	12	2.47
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	12	2.47
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	12	2.47
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	4	2.47
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	12	2.47
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	5	2.47
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	3	2.47
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	3	2.47
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	11	2.47
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	11	2.47
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	4	2.47
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	7	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	8	2.47
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	12	2.47
(1,182)	1:36:A:THR:HA	1:38:A:VAL:H	18	2.47
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	15	2.46
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	15	2.46
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	15	2.46
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	15	2.46
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	15	2.46
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	15	2.46
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	11	2.46
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	11	2.46
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	14	2.46
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	14	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	3	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	3	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	3	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	8	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	8	2.46
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	8	2.46
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	15	2.46
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	15	2.46
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	15	2.46
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	17	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	1	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	2	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	3	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	6	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	14	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	19	2.46
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	20	2.46
(1,927)	1:5:A:ILE:HD11	1:21:A:GLU:HA	17	2.46
(1,927)	1:5:A:ILE:HD12	1:21:A:GLU:HA	17	2.46
(1,927)	1:5:A:ILE:HD13	1:21:A:GLU:HA	17	2.46
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	12	2.45
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	12	2.45
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	12	2.45
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	16	2.45
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	20	2.45
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	20	2.45
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	20	2.45
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	1	2.44
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	1	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	1	2.44
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	1	2.44
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	1	2.44
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	1	2.44
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	16	2.44
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	16	2.44
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	20	2.44
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	20	2.44
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	5	2.44
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	10	2.44
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	11	2.44
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	11	2.44
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	19	2.43
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	19	2.43
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	8	2.43
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	8	2.43
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	8	2.43
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	9	2.43
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	5	2.43
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	5	2.43
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	15	2.42
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	15	2.42
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	10	2.42
(1,1078)	1:34:A:THR:HA	1:37:A:GLY:HA2	13	2.42
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	14	2.41
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	14	2.41
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	14	2.41
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	1	2.41
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	5	2.41
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	7	2.41
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	8	2.41
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	2	2.4
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	2	2.4
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	2	2.4
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	2	2.4
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	2	2.4
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	2	2.4
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	2	2.4
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	2	2.4
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	15	2.4
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	15	2.4
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	15	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	3	2.4
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	3	2.4
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	3	2.4
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	9	2.4
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	19	2.4
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	19	2.4
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	19	2.4
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	19	2.39
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	19	2.39
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	19	2.39
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	19	2.39
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	19	2.39
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	19	2.39
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD11	20	2.39
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD12	20	2.39
(1,1402)	1:66:A:LEU:H	1:72:A:ILE:HD13	20	2.39
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	1	2.39
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	1	2.39
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	10	2.39
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	10	2.39
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	17	2.38
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	17	2.38
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	17	2.38
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	17	2.38
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	17	2.38
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	17	2.38
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	10	2.38
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	14	2.38
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	2	2.38
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	2	2.38
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	2	2.38
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	17	2.38
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	17	2.38
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	4	2.37
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	16	2.37
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	20	2.37
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	14	2.36
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	18	2.36
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	18	2.36
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	18	2.36
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	12	2.36
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	3	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	3	2.34
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	18	2.34
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	18	2.34
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	15	2.33
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	12	2.33
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	12	2.33
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	12	2.33
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	12	2.32
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	12	2.32
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	12	2.32
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	12	2.32
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	20	2.32
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	20	2.32
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	12	2.31
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	12	2.31
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	14	2.31
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	14	2.31
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	14	2.31
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	3	2.31
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	12	2.3
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	12	2.3
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG2	14	2.3
(1,196)	1:39:A:LEU:H	1:41:A:GLU:HG3	14	2.3
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	6	2.29
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	6	2.29
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	6	2.29
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	5	2.29
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	5	2.29
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	5	2.29
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	18	2.29
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	18	2.29
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	2	2.28
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	2	2.28
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	8	2.28
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	8	2.28
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	19	2.28
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	19	2.28
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	1	2.28
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	1	2.28
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	1	2.28
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	1	2.28
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	10	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	10	2.28
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	10	2.28
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	10	2.28
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	18	2.28
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	18	2.28
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	18	2.28
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	20	2.28
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	15	2.27
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	15	2.27
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	12	2.27
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	12	2.27
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	14	2.27
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	14	2.27
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	14	2.27
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	14	2.27
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	6	2.26
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	6	2.26
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	14	2.26
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	14	2.26
(1,1717)	1:43:A:GLN:HG2	1:77:A:THR:HB	10	2.26
(1,1717)	1:43:A:GLN:HG3	1:77:A:THR:HB	10	2.26
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	17	2.26
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	17	2.26
(1,1599)	1:21:A:GLU:HG2	1:68:A:PRO:HA	19	2.26
(1,1599)	1:21:A:GLU:HG3	1:68:A:PRO:HA	19	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	7	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	7	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	7	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	8	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	8	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	8	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	13	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	13	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	13	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	16	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	16	2.26
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	16	2.26
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	13	2.26
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	2	2.26
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	14	2.26
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	4	2.25
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	4	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	10	2.25
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	10	2.25
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	16	2.25
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	16	2.25
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	17	2.25
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	17	2.25
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	3	2.25
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	3	2.25
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	3	2.25
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	3	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	11	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	11	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	11	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	12	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	12	2.25
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	12	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	1	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	1	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	1	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	14	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	14	2.25
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	14	2.25
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	9	2.25
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	9	2.25
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	9	2.25
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	8	2.25
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	8	2.25
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	3	2.24
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	3	2.24
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	14	2.24
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	14	2.24
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	5	2.24
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	5	2.24
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	5	2.24
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	5	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	2	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	2	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	2	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	4	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	4	2.24
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	4	2.24
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	3	2.24
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	3	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	1	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	2	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	7	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	11	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	13	2.24
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	16	2.24
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	2	2.24
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	5	2.24
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	12	2.24
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	18	2.24
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	12	2.23
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	12	2.23
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	11	2.23
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	11	2.23
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	11	2.23
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	11	2.23
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	10	2.23
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	10	2.23
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	10	2.23
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	5	2.23
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	6	2.23
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	8	2.23
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	16	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	1	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	3	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	6	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	7	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	9	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	10	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	11	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	13	2.23
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	16	2.23
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	10	2.23
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	15	2.23
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	5	2.22
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	5	2.22
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	9	2.22
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	9	2.22
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	9	2.22
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	9	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	12	2.22
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	12	2.22
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	12	2.22
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	20	2.22
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	1	2.22
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	1	2.22
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	1	2.22
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	5	2.22
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	5	2.22
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	5	2.22
(1,977)	1:25:A:VAL:HG21	1:65:A:LYS:HA	13	2.22
(1,977)	1:25:A:VAL:HG22	1:65:A:LYS:HA	13	2.22
(1,977)	1:25:A:VAL:HG23	1:65:A:LYS:HA	13	2.22
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	3	2.22
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	10	2.22
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	15	2.21
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	15	2.21
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	15	2.21
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	15	2.21
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	20	2.21
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	20	2.21
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	20	2.21
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	20	2.21
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	6	2.21
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	4	2.21
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	18	2.21
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	4	2.21
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	17	2.21
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	4	2.21
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	17	2.21
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	19	2.21
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	6	2.21
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	20	2.21
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	20	2.21
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	20	2.21
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	13	2.2
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	13	2.2
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	13	2.2
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	13	2.2
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	5	2.2
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	5	2.2
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	5	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	10	2.2
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	10	2.2
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	10	2.2
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	12	2.2
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	18	2.19
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	9	2.19
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	17	2.19
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	19	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	2	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	6	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	7	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	15	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	18	2.19
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	19	2.19
(1,599)	1:3:A:LEU:HB3	1:69:A:ASN:H	16	2.19
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	1	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	1	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	1	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	9	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	9	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	9	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	20	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	20	2.18
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	20	2.18
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	15	2.18
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	15	2.18
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	15	2.18
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	12	2.18
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	8	2.18
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	11	2.17
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	11	2.17
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	19	2.17
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	19	2.17
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	17	2.17
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	17	2.17
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	17	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	9	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	9	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	9	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	18	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	18	2.17
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	18	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	12	2.17
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	11	2.17
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	13	2.17
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	14	2.17
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	14	2.17
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	14	2.17
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	7	2.16
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	7	2.16
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	18	2.16
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	18	2.16
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	18	2.16
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	18	2.16
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	20	2.16
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	20	2.16
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	20	2.16
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	12	2.16
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	12	2.16
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	7	2.16
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	5	2.15
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	5	2.15
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	8	2.15
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	8	2.15
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	8	2.15
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	3	2.15
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	3	2.15
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	3	2.15
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	1	2.14
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	1	2.14
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	9	2.14
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	9	2.14
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	13	2.14
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	13	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	8	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	8	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	8	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	8	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	8	2.14
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	8	2.14
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	4	2.14
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	4	2.14
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	4	2.14
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	4	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	3	2.14
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	3	2.14
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	3	2.14
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	19	2.14
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	19	2.14
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	19	2.14
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	18	2.13
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	18	2.13
(1,1787)	1:53:A:LYS:HB2	1:56:A:GLU:HB2	20	2.13
(1,1787)	1:53:A:LYS:HB3	1:56:A:GLU:HB2	20	2.13
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	6	2.13
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	6	2.13
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	6	2.13
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	6	2.13
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	4	2.13
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	4	2.13
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	4	2.13
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	2	2.13
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	2	2.13
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	2	2.13
(1,1340)	1:66:A:LEU:HD21	1:72:A:ILE:HG13	19	2.13
(1,1340)	1:66:A:LEU:HD22	1:72:A:ILE:HG13	19	2.13
(1,1340)	1:66:A:LEU:HD23	1:72:A:ILE:HG13	19	2.13
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	2	2.13
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	19	2.13
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	12	2.13
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	15	2.13
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	15	2.13
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	15	2.13
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	1	2.12
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	1	2.12
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	1	2.12
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	1	2.12
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	1	2.12
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	1	2.12
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	7	2.12
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	7	2.12
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	7	2.12
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	7	2.12
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	1	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	1	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	1	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	7	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	7	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	7	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	14	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	14	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	14	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	18	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	18	2.11
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	18	2.11
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	1	2.11
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	7	2.11
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	15	2.1
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	15	2.1
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	15	2.1
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	15	2.1
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	15	2.1
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	15	2.1
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	11	2.1
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	11	2.1
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	11	2.1
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	11	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	5	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	5	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	5	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	19	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	19	2.1
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	19	2.1
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	5	2.1
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	1	2.1
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	14	2.1
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	1	2.1
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	11	2.09
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	11	2.09
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	11	2.09
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	8	2.09
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	8	2.09
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	8	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	8	2.09
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	15	2.09
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	15	2.09
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	15	2.09
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	13	2.09
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	13	2.09
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	13	2.09
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	19	2.09
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	19	2.09
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	19	2.09
(1,1325)	1:65:A:LYS:HB3	1:66:A:LEU:HG	19	2.09
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	2	2.09
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	13	2.09
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	4	2.09
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	15	2.08
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	15	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	6	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	7	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	16	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	16	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	16	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	16	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	16	2.08
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	16	2.08
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	17	2.08
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	17	2.08
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	17	2.08
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	17	2.08
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	19	2.08
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	19	2.08
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	19	2.08
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	19	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	10	2.08
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	10	2.08
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	10	2.08
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	14	2.08
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	14	2.08
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	14	2.08
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	11	2.08
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	2	2.07
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	2	2.07
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	16	2.07
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	16	2.07
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	19	2.07
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	19	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	2	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	2	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	2	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	2	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	2	2.07
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	2	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	13	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	13	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	13	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	17	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	17	2.07
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	17	2.07
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	2	2.07
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	2	2.07
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	2	2.07
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	8	2.07
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	20	2.07
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	9	2.07
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	12	2.07
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	12	2.07
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	12	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	3	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	3	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	3	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	5	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	5	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	5	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	12	2.07
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	12	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	12	2.07
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	4	2.06
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	4	2.06
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	6	2.06
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	6	2.06
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	7	2.06
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	7	2.06
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	8	2.06
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	8	2.06
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	17	2.06
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	17	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	4	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	4	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	4	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	4	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	4	2.06
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	4	2.06
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	13	2.06
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	13	2.06
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	2	2.06
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	2	2.06
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	2	2.06
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	2	2.06
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB2	16	2.06
(1,1470)	1:29:A:LYS:HG2	1:40:A:PRO:HB3	16	2.06
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB2	16	2.06
(1,1470)	1:29:A:LYS:HG3	1:40:A:PRO:HB3	16	2.06
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD11	14	2.06
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD12	14	2.06
(1,1399)	1:61:A:LEU:HA	1:72:A:ILE:HD13	14	2.06
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	10	2.06
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	10	2.06
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	10	2.06
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	11	2.06
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	14	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	1	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	1	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	1	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	13	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	13	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	13	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	18	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	18	2.06
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	18	2.06
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	10	2.06
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	10	2.06
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	10	2.06
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	12	2.06
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	12	2.06
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	12	2.06
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	2	2.05
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	17	2.05
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	17	2.05
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	17	2.05
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	17	2.05
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	17	2.05
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	17	2.05
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	10	2.05
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	10	2.05
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	10	2.05
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	15	2.05
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	15	2.05
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	15	2.05
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	3	2.05
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	5	2.05
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	7	2.05
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	9	2.05
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	8	2.05
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	18	2.05
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	18	2.05
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	18	2.05
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	5	2.04
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	5	2.04
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	14	2.04
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	14	2.04
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	19	2.04
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	19	2.04
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	19	2.04
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	19	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	19	2.04
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	17	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	19	2.04
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	19	2.04
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	5	2.04
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	5	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	2	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	2	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	2	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	4	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	4	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	4	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	8	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	8	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	8	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	16	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	16	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	16	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	20	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	20	2.04
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	20	2.04
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	6	2.04
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	15	2.04
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	20	2.04
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	5	2.04
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	5	2.04
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	5	2.04
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	1	2.03
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	1	2.03
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	9	2.03
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	9	2.03
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	13	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	13	2.03
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	14	2.03
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	14	2.03
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	3	2.03
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	3	2.03
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	16	2.03
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	16	2.03
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	16	2.03
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	9	2.03
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	9	2.03
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	9	2.03
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	9	2.03
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	12	2.03
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	17	2.03
(1,929)	1:19:A:LEU:HG	1:21:A:GLU:HA	14	2.03
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	14	2.03
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	3	2.03
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	3	2.03
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	3	2.03
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	4	2.03
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	8	2.03
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	12	2.03
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	17	2.03
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	18	2.03
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	10	2.02
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	10	2.02
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	20	2.02
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	20	2.02
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	20	2.02
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	20	2.02
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	4	2.02
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	4	2.02
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	4	2.02
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	4	2.02
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	4	2.02
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	4	2.02
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	9	2.02
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	9	2.02
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	9	2.02
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	9	2.02
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	9	2.02
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	9	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	11	2.02
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	11	2.02
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	13	2.02
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	13	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	2	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	2	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	2	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	17	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	17	2.02
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	17	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	6	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	6	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	6	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	11	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	11	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	11	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG21	12	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG22	12	2.02
(1,1386)	1:46:A:LEU:HA	1:72:A:ILE:HG23	12	2.02
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	13	2.02
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	13	2.02
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	13	2.02
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	17	2.02
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	3	2.02
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	20	2.02
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	20	2.02
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	20	2.02
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	20	2.02
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	1	2.02
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	1	2.02
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	1	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	1	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	2	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	3	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	5	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	6	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	7	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	9	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	11	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	13	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	14	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	15	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	16	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	19	2.02
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	20	2.02
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	3	2.01
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	3	2.01
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	16	2.01
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	16	2.01
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	16	2.01
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	5	2.0
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	5	2.0
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	4	2.0
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	20	2.0
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	1	2.0
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	5	2.0
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	10	2.0
(1,164)	1:36:A:THR:H	1:38:A:VAL:H	10	2.0
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	12	1.99
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	12	1.99
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	16	1.99
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	16	1.99
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	9	1.99
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	9	1.99
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	2	1.99
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	2	1.99
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	6	1.99
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	6	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	6	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	6	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	6	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	7	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	7	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	7	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD11	19	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD12	19	1.99
(1,1394)	1:45:A:LEU:HB3	1:72:A:ILE:HD13	19	1.99
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	2	1.99
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	2	1.99
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	6	1.99
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	8	1.99
(1,1018)	1:46:A:LEU:HB3	1:72:A:ILE:HA	16	1.99
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	10	1.99
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	11	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:62:A:GLY:HA2	1:65:A:LYS:HB2	13	1.99
(1,1790)	1:53:A:LYS:HG2	1:56:A:GLU:H	18	1.98
(1,1790)	1:53:A:LYS:HG3	1:56:A:GLU:H	18	1.98
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	20	1.98
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	20	1.98
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	12	1.98
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	12	1.98
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	12	1.98
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	4	1.98
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	4	1.98
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	9	1.98
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	9	1.98
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	9	1.98
(1,387)	1:19:A:LEU:HB2	1:23:A:ASP:H	15	1.98
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	2	1.98
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	2	1.98
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	2	1.98
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	8	1.98
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	8	1.98
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	8	1.98
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	13	1.98
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	13	1.98
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	13	1.98
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	18	1.97
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	18	1.97
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	18	1.97
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	18	1.97
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	18	1.97
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	18	1.97
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	1	1.97
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	1	1.97
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	2	1.97
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	2	1.97
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	10	1.97
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	10	1.97
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	7	1.97
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	7	1.97
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	14	1.97
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	14	1.97
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	9	1.96
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	9	1.96
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	10	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	10	1.96
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	13	1.96
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	13	1.96
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	13	1.96
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	9	1.96
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	9	1.96
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	15	1.96
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	4	1.95
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	4	1.95
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	15	1.95
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	15	1.95
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	19	1.95
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	19	1.95
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	20	1.95
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	20	1.95
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	19	1.95
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	7	1.95
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	7	1.95
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	7	1.95
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	11	1.95
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	11	1.95
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	11	1.95
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	2	1.94
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	2	1.94
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	2	1.94
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	2	1.94
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	2	1.94
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	2	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	15	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	15	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	15	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	15	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	15	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	15	1.94
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	3	1.94
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	3	1.94
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	4	1.94
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	4	1.94
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	7	1.94
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	7	1.94
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	5	1.94
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	5	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	7	1.94
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	7	1.94
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	8	1.94
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	8	1.94
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	16	1.94
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	16	1.94
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	8	1.94
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	8	1.94
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	8	1.94
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	5	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	5	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	5	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	5	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	5	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	5	1.93
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	10	1.93
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	10	1.93
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	9	1.93
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	9	1.93
(1,1014)	1:29:A:LYS:HB3	1:40:A:PRO:HA	2	1.93
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	13	1.93
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	13	1.93
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	13	1.93
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	1	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	13	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	13	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	13	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	13	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	13	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	13	1.92
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	15	1.92
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	15	1.92
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	14	1.92
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	14	1.92
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	18	1.92
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	18	1.92
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	3	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	3	1.92
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	3	1.92
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	1	1.92
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	1	1.92
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	15	1.92
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	15	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	7	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	7	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	7	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	18	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	18	1.92
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	18	1.92
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	6	1.92
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	6	1.92
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	6	1.92
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	3	1.91
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	3	1.91
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	3	1.91
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	3	1.91
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	3	1.91
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	3	1.91
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	7	1.91
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	7	1.91
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	20	1.91
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	20	1.91
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	10	1.91
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	10	1.91
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	16	1.91
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	16	1.91
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	16	1.91
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	19	1.9
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	19	1.9
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	19	1.9
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	19	1.9
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	19	1.9
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	19	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	9	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	9	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	9	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	9	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	9	1.9
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	9	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	16	1.9
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	16	1.9
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	19	1.9
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	19	1.9
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	1	1.9
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	1	1.9
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	12	1.9
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	12	1.9
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	17	1.9
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	17	1.9
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	5	1.9
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	5	1.9
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	5	1.9
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	3	1.9
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	3	1.9
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	11	1.9
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	11	1.9
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	19	1.9
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	19	1.9
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	4	1.9
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	4	1.9
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	4	1.9
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	11	1.89
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	11	1.89
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	12	1.89
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	12	1.89
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	12	1.89
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	15	1.89
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	15	1.89
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	15	1.89
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	15	1.89
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	15	1.89
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	15	1.89
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	20	1.89
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	20	1.89
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	20	1.89
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	17	1.88
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	17	1.88
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	1	1.88
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	1	1.88
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	1	1.88
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	17	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	17	1.88
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	20	1.88
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	6	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	11	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	16	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	17	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	17	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	17	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	17	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	17	1.87
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	17	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	14	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	14	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	14	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	14	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	14	1.87
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	14	1.87
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	9	1.87
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	9	1.87
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	9	1.87
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	20	1.86
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	20	1.86
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	20	1.86
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	20	1.86
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	20	1.86
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	20	1.86
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	1	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	1	1.86
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	1	1.86
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	1	1.86
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	1	1.86
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	1	1.86
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	6	1.86
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	6	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	1	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	1	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	1	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	6	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	6	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	6	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	14	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	14	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	14	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	17	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	17	1.86
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	17	1.86
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	4	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	7	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	7	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	7	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	7	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	7	1.85
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	7	1.85
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	18	1.85
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	18	1.85
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	17	1.85
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	17	1.85
(1,1405)	1:8:A:LYS:HB2	1:73:A:MET:HA	20	1.85
(1,1405)	1:8:A:LYS:HB3	1:73:A:MET:HA	20	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	15	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	15	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	15	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	20	1.85
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	20	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	20	1.85
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	14	1.84
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	14	1.84
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	14	1.84
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	14	1.84
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	14	1.84
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	14	1.84
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	6	1.84
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	6	1.84
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	13	1.84
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	13	1.84
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	3	1.84
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	3	1.84
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	3	1.84
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	8	1.83
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	8	1.83
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	10	1.83
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	10	1.83
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	10	1.83
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	12	1.83
(1,372)	1:3:A:LEU:HG	1:22:A:ASP:H	16	1.83
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	4	1.83
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	4	1.83
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	4	1.83
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	9	1.83
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	9	1.83
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	9	1.83
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	13	1.82
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	13	1.82
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	13	1.82
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	13	1.82
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	13	1.82
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	13	1.82
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	13	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	10	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	10	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	10	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	10	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	10	1.82
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	10	1.82
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	3	1.82
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	3	1.82
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	3	1.82
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	9	1.82
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	9	1.82
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	9	1.82
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	2	1.82
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	2	1.82
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	2	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	4	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	5	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	6	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	10	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	11	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	17	1.82
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	19	1.82
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	8	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	8	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	16	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	16	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	17	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	17	1.81
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	18	1.81
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	18	1.81
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	18	1.81
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	18	1.81
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	18	1.81
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	18	1.81
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	18	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	18	1.81
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	18	1.81
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	18	1.81
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	18	1.81
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	18	1.81
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	18	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	7	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	7	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	7	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	7	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	7	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	7	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	7	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	7	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	7	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	7	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	11	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	11	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	16	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	16	1.81
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	16	1.81
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	16	1.81
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	16	1.81
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	16	1.81
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	16	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	15	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	15	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	15	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	15	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	15	1.81
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	15	1.81
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	12	1.81
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	12	1.81
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	5	1.81
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	5	1.81
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	5	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	5	1.81
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	5	1.81
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	5	1.81
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	14	1.81
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	14	1.81
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	14	1.81
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	20	1.81
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	20	1.81
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	20	1.81
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	5	1.81
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	5	1.81
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	19	1.81
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	19	1.81
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	19	1.81
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	2	1.81
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	2	1.81
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	2	1.81
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	2	1.81
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	2	1.81
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	2	1.81
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	17	1.81
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	17	1.81
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	17	1.81
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	17	1.81
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	17	1.81
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	17	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	6	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	6	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	6	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	11	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	11	1.81
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	11	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	1	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	2	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	3	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	7	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	8	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	9	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	16	1.81
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	18	1.81
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	6	1.8
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	6	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	7	1.8
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	7	1.8
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	11	1.8
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	11	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD11	12	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD12	12	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD13	12	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD21	12	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD22	12	1.8
(1,1753)	1:49:A:LYS:H	1:64:A:LEU:HD23	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	12	1.8
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	12	1.8
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	5	1.8
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	5	1.8
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	5	1.8
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	7	1.8
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	17	1.8
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	18	1.8
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	18	1.8
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	18	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	9	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	9	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	9	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	16	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	16	1.8
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	16	1.8
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	4	1.8
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	4	1.8
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	4	1.8
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	4	1.8
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	4	1.8
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	4	1.8
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	9	1.8
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	9	1.8
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	9	1.8
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	18	1.8
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	18	1.8
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	4	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	4	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	4	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	7	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	7	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	7	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	8	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	8	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	8	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	16	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	16	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	16	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	19	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	19	1.8
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	19	1.8
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	13	1.8
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	9	1.8
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	12	1.79
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	12	1.79
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	12	1.79
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	12	1.79
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	12	1.79
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	12	1.79
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	12	1.79
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	12	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	4	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	4	1.79
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	4	1.79
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	4	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	10	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	10	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	10	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	10	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	10	1.79
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	10	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	6	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	6	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	6	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	7	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	7	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	7	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	17	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	17	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	19	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	19	1.79
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	19	1.79
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	6	1.79
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	16	1.79
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	2	1.79
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	2	1.79
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	2	1.79
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	14	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	6	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	6	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	6	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	6	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	6	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	6	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	7	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	7	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	7	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	7	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	7	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	7	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	19	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	19	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	19	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	19	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	19	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	19	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	20	1.79
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	20	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	20	1.79
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	20	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	20	1.79
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	20	1.79
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	1	1.79
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	1	1.79
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	1	1.79
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	17	1.79
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	17	1.79
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	17	1.79
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	1	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	1	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	3	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	3	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	4	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	4	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	5	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	5	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	15	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	15	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	18	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	18	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	6	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	6	1.78
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	6	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	6	1.78
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	6	1.78
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	6	1.78
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	6	1.78
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	6	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	5	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	8	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	8	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	8	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	8	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	8	1.78
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	8	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	11	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	11	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	11	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	11	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	11	1.78
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	11	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	4	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	4	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	4	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	8	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	8	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	8	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	12	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	12	1.78
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	12	1.78
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	4	1.78
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	13	1.78
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	1	1.78
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	8	1.78
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	8	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	8	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	8	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	8	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	8	1.78
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	16	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	16	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	16	1.78
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	16	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	16	1.78
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	16	1.78
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	3	1.78
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	3	1.78
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	3	1.78
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	14	1.78
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	14	1.78
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	14	1.78
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	9	1.77
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	9	1.77
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	10	1.77
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	10	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	4	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	4	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	4	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	5	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	5	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	5	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	5	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	5	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	5	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	5	1.77
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	5	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	3	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	3	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	3	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	3	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	3	1.77
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	2	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	3	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	5	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	13	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	13	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	13	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	13	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	13	1.77
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	13	1.77
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	10	1.77
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	10	1.77
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	10	1.77
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	10	1.77
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	10	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	3	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	3	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	3	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	3	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	3	1.77
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	3	1.77
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	18	1.77
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	18	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	11	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	11	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	11	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	16	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	16	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	16	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD21	18	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD22	18	1.77
(1,1452)	1:31:A:PHE:HD1	1:32:A:LEU:HD23	18	1.77
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	2	1.77
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	15	1.77
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	19	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	5	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	5	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	5	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	13	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	13	1.77
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	13	1.77
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	11	1.77
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	11	1.77
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	11	1.77
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	11	1.77
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	11	1.77
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	11	1.77
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	16	1.77
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	1	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	1	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	1	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	1	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	1	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	1	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	1	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	1	1.76
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	10	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	10	1.76
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	10	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	10	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	10	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	10	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	10	1.76
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	10	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	1	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	14	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	14	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	14	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	14	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	14	1.76
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	14	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	1	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	9	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	14	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	15	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	16	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	17	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	19	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	19	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	19	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	19	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	19	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	19	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	20	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	20	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	20	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	20	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	20	1.76
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	20	1.76
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	3	1.76
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	3	1.76
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	3	1.76
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	8	1.76
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	10	1.76
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	12	1.76
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	6	1.76
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	5	1.76
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	5	1.76
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	5	1.76
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	2	1.75
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	2	1.75
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	13	1.75
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	13	1.75
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	9	1.75
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	9	1.75
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	9	1.75
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	9	1.75
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	9	1.75
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	9	1.75
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	9	1.75
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	9	1.75
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	13	1.75
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	13	1.75
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	13	1.75
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	13	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	13	1.75
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	13	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	6	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	12	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	12	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	12	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	12	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	12	1.75
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	12	1.75
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	18	1.75
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	18	1.75
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	18	1.75
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	11	1.75
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	12	1.75
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	12	1.75
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	12	1.75
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	12	1.75
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	12	1.75
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	12	1.75
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	15	1.75
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	15	1.75
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	15	1.75
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	6	1.75
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	7	1.75
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	11	1.75
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	3	1.75
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	7	1.75
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	14	1.74
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	14	1.74
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	19	1.74
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	19	1.74
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	3	1.74
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	3	1.74
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	3	1.74
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	3	1.74
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	3	1.74
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	3	1.74
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	3	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	10	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	10	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	10	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	10	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	10	1.74
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	10	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	4	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	8	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	18	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	18	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	18	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	18	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	18	1.74
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	18	1.74
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	13	1.74
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	13	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	3	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	3	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	3	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	3	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	3	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	15	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	20	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	20	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	20	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	20	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	20	1.74
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	20	1.74
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	11	1.74
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	20	1.74
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	18	1.74
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	18	1.74
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	11	1.74
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	11	1.74
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	11	1.74
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	11	1.74
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	11	1.74
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD11	15	1.74
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD12	15	1.74
(1,408)	1:25:A:VAL:H	1:61:A:LEU:HD13	15	1.74
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	19	1.74
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	19	1.74
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	19	1.74
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	19	1.74
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	12	1.73
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	12	1.73
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB2	20	1.73
(1,1849)	1:66:A:LEU:HB2	1:67:A:LYS:HB3	20	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG11	7	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG12	7	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG13	7	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG21	7	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG22	7	1.73
(1,1677)	1:36:A:THR:HA	1:38:A:VAL:HG23	7	1.73
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	13	1.73
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	13	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	13	1.73
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	13	1.73
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	13	1.73
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	13	1.73
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	1	1.73
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	5	1.73
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	14	1.73
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	8	1.73
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	2	1.73
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	2	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	4	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	4	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	4	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	6	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	6	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	6	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	7	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	7	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	7	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	8	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	8	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	8	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	11	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	11	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	11	1.73
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	17	1.73
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	17	1.73
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	17	1.73
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	2	1.73
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	2	1.73
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	19	1.73
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	19	1.73
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	5	1.73
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	6	1.73
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	6	1.72
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	6	1.72
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	6	1.72
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	6	1.72
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	6	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	6	1.72
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	6	1.72
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	6	1.72
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	6	1.72
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	6	1.72
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	6	1.72
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	6	1.72
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	6	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	1	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	1	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	1	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	5	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	5	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	5	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	7	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	7	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	7	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	12	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	12	1.72
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	12	1.72
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	3	1.72
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	18	1.72
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	7	1.72
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	15	1.72
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	4	1.72
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	4	1.72
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	5	1.72
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	18	1.72
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	18	1.72
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	18	1.72
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	18	1.72
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	18	1.72
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	18	1.72
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	10	1.72
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	10	1.72
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	10	1.72
(1,608)	1:66:A:LEU:HD11	1:70:A:THR:H	16	1.72
(1,608)	1:66:A:LEU:HD12	1:70:A:THR:H	16	1.72
(1,608)	1:66:A:LEU:HD13	1:70:A:THR:H	16	1.72
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	2	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	8	1.72
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	10	1.72
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	13	1.72
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	4	1.72
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	4	1.72
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	6	1.72
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	6	1.72
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	17	1.72
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	17	1.72
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	9	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	9	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	9	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	9	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	9	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	9	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	4	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	4	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	4	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	6	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	6	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	6	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	8	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	8	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	8	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	9	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	9	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	9	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	11	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	11	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	11	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	14	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	14	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	14	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	16	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	16	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	16	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	17	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	17	1.71
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	17	1.71
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	2	1.71
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	7	1.71
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG11	10	1.71
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG12	10	1.71
(1,1135)	1:33:A:LYS:HD2	1:38:A:VAL:HG13	10	1.71
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	12	1.71
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	20	1.71
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	20	1.71
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	15	1.71
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	16	1.71
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	3	1.71
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	16	1.71
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	18	1.71
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	7	1.71
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	7	1.71
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	13	1.71
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	13	1.71
(1,357)	1:5:A:ILE:HD11	1:21:A:GLU:H	17	1.71
(1,357)	1:5:A:ILE:HD12	1:21:A:GLU:H	17	1.71
(1,357)	1:5:A:ILE:HD13	1:21:A:GLU:H	17	1.71
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	18	1.7
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	18	1.7
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	18	1.7
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	18	1.7
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	18	1.7
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	18	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	2	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	2	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	2	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	2	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	2	1.7
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	2	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	1	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	1	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	1	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	1	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	1	1.7
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	1	1.7
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	16	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	13	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	13	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	13	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	15	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	15	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	15	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	20	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	20	1.7
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	20	1.7
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	2	1.7
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	9	1.7
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	9	1.7
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	1	1.7
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	4	1.7
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	5	1.7
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	12	1.7
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	1	1.7
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	1	1.7
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	8	1.7
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	8	1.7
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	9	1.7
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	9	1.7
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	15	1.7
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	17	1.7
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	8	1.69
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	8	1.69
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	8	1.69
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	8	1.69
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	8	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	8	1.69
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	8	1.69
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	8	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	20	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	20	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	20	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	20	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	20	1.69
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	20	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	14	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	14	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	14	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	14	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	14	1.69
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	14	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	5	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	11	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	14	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	14	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	14	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	14	1.69
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	14	1.69
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	10	1.69
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	19	1.69
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	19	1.69
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	19	1.69
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	11	1.69
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	11	1.69
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	11	1.69
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	16	1.69
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	16	1.69
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	16	1.69
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	20	1.69
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	20	1.69
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	10	1.69
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	14	1.69
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	14	1.69
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	15	1.69
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	15	1.69
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	4	1.69
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	18	1.69
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	6	1.69
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	11	1.69
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	20	1.69
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	8	1.69
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	11	1.69
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	12	1.69
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	1	1.68
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	1	1.68
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	3	1.68
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	3	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	1	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	1	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	1	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	1	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	1	1.68
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	1	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	8	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	8	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	8	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	8	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	8	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	10	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	13	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	13	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	13	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	13	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	13	1.68
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	13	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	2	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	2	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	2	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG21	10	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG22	10	1.68
(1,1389)	1:45:A:LEU:HB2	1:72:A:ILE:HG23	10	1.68
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	16	1.68
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	11	1.68
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	2	1.68
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	7	1.68
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	17	1.68
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	3	1.68
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	3	1.68
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	15	1.68
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	15	1.68
(1,395)	1:19:A:LEU:HB2	1:24:A:THR:H	14	1.68
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	2	1.67
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	4	1.67
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	4	1.67
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	4	1.67
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	1	1.67
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	17	1.67
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	1	1.67
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	1	1.67
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	1	1.67
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	1	1.67
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	1	1.67
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	1	1.67
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	2	1.67
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	6	1.67
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	7	1.67
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	8	1.67
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	16	1.67
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	8	1.67
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	17	1.67
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	8	1.67
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	9	1.67
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	14	1.67
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	19	1.67
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	4	1.67
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	4	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	15	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	16	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	20	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	20	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	20	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	20	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	20	1.66
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	20	1.66
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	5	1.66
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	13	1.66
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	1	1.66
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	3	1.66
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	5	1.66
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	13	1.66
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	17	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	19	1.66
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	8	1.66
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	8	1.66
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	18	1.66
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	18	1.66
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	8	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	8	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	8	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	11	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	11	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	11	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	11	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	11	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	11	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	11	1.65
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	11	1.65
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	1	1.65
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	1	1.65
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	1	1.65
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	1	1.65
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	1	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	2	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	2	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	2	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	2	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	2	1.65
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	2	1.65
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	11	1.65
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	15	1.65
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	19	1.65
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	19	1.65
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	16	1.65
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	16	1.65
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	18	1.65
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	18	1.65
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	18	1.65
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	15	1.65
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	9	1.65
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	10	1.65
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	12	1.65
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	18	1.65
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	1	1.65
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	1	1.65
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	6	1.65
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	6	1.65
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	9	1.65
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	9	1.65
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	10	1.65
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	10	1.65
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	12	1.65
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	12	1.65
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	19	1.65
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	15	1.65
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	16	1.64
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	16	1.64
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	16	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	16	1.64
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	16	1.64
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	16	1.64
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	16	1.64
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	16	1.64
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	16	1.64
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	16	1.64
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	16	1.64
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	16	1.64
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	16	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	5	1.64
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	5	1.64
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	5	1.64
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	5	1.64
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	5	1.64
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	5	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	5	1.64
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	5	1.64
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	13	1.64
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	13	1.64
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	13	1.64
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	13	1.64
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	13	1.64
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	13	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	9	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	9	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	9	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	9	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	9	1.64
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	9	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	7	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	7	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	7	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	7	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	7	1.64
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	7	1.64
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	3	1.64
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	4	1.64
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	18	1.64
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	19	1.64
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	7	1.64
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	7	1.64
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	7	1.64
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	18	1.64
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	4	1.64
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	3	1.64
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	3	1.64
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	3	1.64
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	3	1.64
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	3	1.64
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	3	1.64
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	5	1.64
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	5	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	5	1.64
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	5	1.64
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	5	1.64
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	5	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	2	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	2	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	3	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	3	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	5	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	5	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	7	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	7	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	8	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	8	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	11	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	11	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	13	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	13	1.64
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	18	1.64
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	18	1.64
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	18	1.64
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	18	1.64
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	4	1.64
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	4	1.64
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	12	1.64
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	12	1.64
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	5	1.63
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	10	1.63
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	10	1.63
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	10	1.63
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	10	1.63
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	10	1.63
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	10	1.63
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD11	12	1.63
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD12	12	1.63
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD13	12	1.63
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD21	12	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD22	12	1.63
(1,1762)	1:50:A:VAL:HA	1:64:A:LEU:HD23	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	12	1.63
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	12	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	19	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	19	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	19	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	19	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	19	1.63
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	19	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	6	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	9	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	9	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	9	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	9	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	9	1.63
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	9	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	2	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	2	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	2	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	2	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	4	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	4	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	4	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	4	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	6	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	6	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	6	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	6	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	7	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	7	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	7	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	8	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	8	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	8	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	8	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	13	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	13	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	13	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	13	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	15	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	15	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	15	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	15	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	16	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	16	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	16	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	16	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	19	1.63
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	19	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	19	1.63
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	19	1.63
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	6	1.63
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	14	1.63
(1,1382)	1:6:A:ILE:HB	1:72:A:ILE:HG13	9	1.63
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	15	1.63
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	20	1.63
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	9	1.63
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	9	1.63
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	9	1.63
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	9	1.63
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	9	1.63
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	9	1.63
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	4	1.63
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	4	1.63
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	12	1.63
(1,550)	1:22:A:ASP:HA	1:61:A:LEU:H	20	1.63
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	5	1.63
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	5	1.63
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	14	1.63
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	14	1.63
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	1	1.63
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	1	1.63
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	7	1.63
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	14	1.63
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	14	1.63
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	15	1.63
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	15	1.63
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	2	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	2	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	2	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	7	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	7	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	7	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	7	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	7	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	7	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	7	1.62
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	7	1.62
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	14	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	14	1.62
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	14	1.62
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	14	1.62
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	14	1.62
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	14	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	3	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	3	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	3	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	3	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	3	1.62
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	3	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	5	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	10	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	10	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	10	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	10	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	10	1.62
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	10	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	4	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	4	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	4	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	4	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	4	1.62
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	4	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	12	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	17	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	19	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	19	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	19	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	19	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	19	1.62
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	19	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	1	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	1	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	1	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	1	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	5	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	5	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	5	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	5	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	10	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	10	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	10	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	10	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	11	1.62
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	11	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	11	1.62
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	11	1.62
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	6	1.62
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	6	1.62
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	6	1.62
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	8	1.62
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	8	1.62
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	8	1.62
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	3	1.62
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	10	1.62
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	10	1.62
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	10	1.62
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	10	1.62
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	10	1.62
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	10	1.62
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	13	1.62
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	13	1.62
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	13	1.62
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	13	1.62
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	13	1.62
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	13	1.62
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	16	1.62
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	9	1.62
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	18	1.62
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	18	1.62
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	18	1.62
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	10	1.62
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	10	1.62
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	20	1.62
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	20	1.62
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	3	1.62
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	3	1.62
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	6	1.62
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	6	1.62
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	17	1.62
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	17	1.62
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	20	1.62
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	20	1.62
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	14	1.61
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	14	1.61
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	14	1.61
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	14	1.61
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	14	1.61
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	14	1.61
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	14	1.61
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	14	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	13	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	13	1.61
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	13	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	13	1.61
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	13	1.61
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	12	1.61
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	12	1.61
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	12	1.61
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	12	1.61
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	12	1.61
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	12	1.61
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	9	1.61
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	9	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	5	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	5	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	5	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	5	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	5	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	10	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	10	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	10	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	10	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	10	1.61
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	10	1.61
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	8	1.61
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	7	1.61
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	7	1.61
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	7	1.61
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	7	1.61
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	7	1.61
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	7	1.61
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	16	1.61
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	16	1.61
(1,134)	1:31:A:PHE:HD1	1:33:A:LYS:H	18	1.61
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	20	1.6
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	20	1.6
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	20	1.6
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	20	1.6
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	20	1.6
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	20	1.6
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	20	1.6
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	20	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	10	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	10	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	10	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	14	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	14	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	14	1.6
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	14	1.6
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	6	1.6
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	11	1.6
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	18	1.6
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	20	1.6
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	20	1.6
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	20	1.6
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	20	1.6
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	20	1.6
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	13	1.6
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	13	1.6
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	13	1.6
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	13	1.6
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	13	1.6
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	12	1.6
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	12	1.6
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	12	1.6
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	2	1.6
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	2	1.6
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	2	1.6
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	2	1.6
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	2	1.6
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	2	1.6
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	3	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	3	1.59
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	3	1.59
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	3	1.59
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	3	1.59
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	11	1.59
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	11	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD11	18	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD12	18	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD13	18	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD21	18	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD22	18	1.59
(1,1551)	1:9:A:TRP:HA	1:45:A:LEU:HD23	18	1.59
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	7	1.59
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	12	1.59
(1,1316)	1:50:A:VAL:HB	1:64:A:LEU:HG	17	1.59
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	4	1.59
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	4	1.59
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	4	1.59
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	2	1.59
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	13	1.59
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	13	1.59
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	11	1.59
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	11	1.59
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	11	1.59
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	11	1.59
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	11	1.59
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	11	1.59
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	9	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	9	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	9	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	9	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	9	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	9	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	18	1.58
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	18	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	18	1.58
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	18	1.58
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	18	1.58
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	18	1.58
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	18	1.58
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	3	1.58
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	3	1.58
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	3	1.58
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	3	1.58
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	3	1.58
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	3	1.58
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	4	1.58
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	4	1.58
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	3	1.58
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	3	1.58
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	3	1.58
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG2	14	1.58
(1,974)	1:25:A:VAL:HG21	1:29:A:LYS:HG3	14	1.58
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG2	14	1.58
(1,974)	1:25:A:VAL:HG22	1:29:A:LYS:HG3	14	1.58
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG2	14	1.58
(1,974)	1:25:A:VAL:HG23	1:29:A:LYS:HG3	14	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	8	1.58
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	8	1.58
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	8	1.58
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	8	1.58
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	8	1.58
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	8	1.58
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	5	1.58
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	5	1.58
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	9	1.58
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	9	1.58
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	16	1.58
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	16	1.58
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	19	1.58
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	19	1.58
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	11	1.57
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	11	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	20	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	20	1.57
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	20	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	20	1.57
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	20	1.57
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	7	1.57
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	9	1.57
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	9	1.57
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	9	1.57
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	9	1.57
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	9	1.57
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	9	1.57
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	18	1.57
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	18	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	12	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	12	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	12	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	12	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	12	1.57
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	12	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	15	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	15	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	15	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	15	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	15	1.57
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	15	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	11	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	11	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	11	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	11	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	11	1.57
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	11	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	3	1.57
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	3	1.57
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	3	1.57
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	3	1.57
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	9	1.57
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	9	1.57
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	9	1.57
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	9	1.57
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	1	1.57
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	17	1.57
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	8	1.57
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	8	1.57
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	8	1.57
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	1	1.57
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	1	1.57
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	1	1.57
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	3	1.57
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	3	1.57
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	3	1.57
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	10	1.57
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	10	1.57
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	10	1.57
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	4	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	1	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	1	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	1	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	7	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	7	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	7	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	14	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	14	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	14	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	15	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	15	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	15	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	20	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	20	1.57
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	20	1.57
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	9	1.57
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	17	1.57
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	16	1.57
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	16	1.57
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	16	1.57
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	16	1.57
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	16	1.57
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	20	1.57
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	20	1.57
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	20	1.57
(1,508)	1:53:A:LYS:HD2	1:56:A:GLU:H	12	1.57
(1,508)	1:53:A:LYS:HD3	1:56:A:GLU:H	12	1.57
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	7	1.57
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	2	1.57
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	2	1.57
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	17	1.56
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	17	1.56
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	17	1.56
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	17	1.56
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	17	1.56
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	17	1.56
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	17	1.56
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	17	1.56
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	2	1.56
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	2	1.56
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	15	1.56
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	15	1.56
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	19	1.56
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	19	1.56
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	1	1.56
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	1	1.56
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	1	1.56
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	1	1.56
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	1	1.56
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	1	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	4	1.56
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	16	1.56
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	16	1.56
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	16	1.56
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	16	1.56
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	16	1.56
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	16	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	13	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	18	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	18	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	18	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	18	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	18	1.56
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	18	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	2	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	19	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	19	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	19	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	19	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	19	1.56
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	19	1.56
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	17	1.56
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	17	1.56
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	17	1.56
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	17	1.56
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	5	1.56
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	5	1.56
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	3	1.56
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	20	1.56
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	19	1.56
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	19	1.56
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	14	1.56
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	9	1.56
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	9	1.56
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	9	1.56
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	12	1.56
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	12	1.56
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	12	1.56
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	3	1.56
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	6	1.56
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	19	1.56
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	11	1.56
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	11	1.56
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	4	1.55
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	4	1.55
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	6	1.55
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	6	1.55
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	7	1.55
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	7	1.55
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	17	1.55
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	17	1.55
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	5	1.55
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	5	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	7	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	17	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	18	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	18	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	18	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	18	1.55
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	18	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	12	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	12	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	12	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	12	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	14	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	14	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	14	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	14	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	20	1.55
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	20	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	20	1.55
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	20	1.55
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	15	1.55
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	15	1.55
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	15	1.55
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	9	1.55
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	9	1.55
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	9	1.55
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	17	1.55
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	17	1.55
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	17	1.55
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	11	1.55
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	8	1.55
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	15	1.55
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	2	1.55
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	4	1.55
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	10	1.55
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	13	1.55
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	13	1.55
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	16	1.54
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	16	1.54
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	4	1.54
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	4	1.54
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	5	1.54
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	5	1.54
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	14	1.54
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	14	1.54
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	4	1.54
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	4	1.54
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	4	1.54
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	4	1.54
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	4	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	16	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	16	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	16	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	16	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	16	1.54
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	16	1.54
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG2	18	1.54
(1,1490)	1:40:A:PRO:HD2	1:41:A:GLU:HG3	18	1.54
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG2	18	1.54
(1,1490)	1:40:A:PRO:HD3	1:41:A:GLU:HG3	18	1.54
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	4	1.54
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	4	1.54
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	4	1.54
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	11	1.54
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	11	1.54
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	11	1.54
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	5	1.54
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	6	1.54
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	6	1.54
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	6	1.54
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	19	1.54
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	19	1.54
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	19	1.54
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	19	1.54
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	19	1.54
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	19	1.54
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	4	1.54
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	8	1.54
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	16	1.54
(1,184)	1:33:A:LYS:HD3	1:38:A:VAL:H	10	1.54
(1,184)	1:33:A:LYS:HD2	1:38:A:VAL:H	10	1.54
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	8	1.53
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	8	1.53
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	16	1.53
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	16	1.53
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	17	1.53
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	17	1.53
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	20	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	20	1.53
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	20	1.53
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	20	1.53
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	20	1.53
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	20	1.53
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	12	1.53
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	12	1.53
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	12	1.53
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	20	1.53
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	5	1.53
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	5	1.53
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	5	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	5	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	5	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	5	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	5	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	5	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	5	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	6	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	6	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	6	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	6	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	6	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	6	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	12	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	12	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	12	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	12	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	12	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	12	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	18	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	18	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	18	1.53
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	18	1.53
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	18	1.53
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	18	1.53
(1,731)	1:4:A:PRO:HD2	1:69:A:ASN:H	17	1.53
(1,731)	1:4:A:PRO:HD3	1:69:A:ASN:H	17	1.53
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	12	1.53
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	5	1.52
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	5	1.52
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	14	1.52
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	2	1.52
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	2	1.52
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	2	1.52
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	2	1.52
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	2	1.52
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	2	1.52
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	15	1.52
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	15	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	9	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	9	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	9	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	9	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	9	1.52
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	9	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	6	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	6	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	6	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	6	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	6	1.52
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	6	1.52
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	6	1.52
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	6	1.52
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	6	1.52
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	16	1.52
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	16	1.52
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	16	1.52
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	18	1.52
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	18	1.52
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	18	1.52
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	20	1.52
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	16	1.52
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	16	1.52
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	16	1.52
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	4	1.52
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	12	1.52
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	15	1.52
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	10	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	10	1.52
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	10	1.52
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	10	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	10	1.52
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	17	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	17	1.52
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	17	1.52
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	17	1.52
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	17	1.52
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	17	1.52
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	12	1.52
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	10	1.52
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	1	1.52
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	12	1.52
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	17	1.52
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	18	1.52
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	13	1.52
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	1	1.51
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	1	1.51
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	9	1.51
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	9	1.51
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	13	1.51
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	13	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG21	12	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG11	1:59:A:VAL:HG23	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG21	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG12	1:59:A:VAL:HG23	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG21	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG13	1:59:A:VAL:HG23	12	1.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG21	12	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG21	1:59:A:VAL:HG23	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG21	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG22	1:59:A:VAL:HG23	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG11	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG12	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG13	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG21	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG22	12	1.51
(1,1772)	1:50:A:VAL:HG23	1:59:A:VAL:HG23	12	1.51
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	1	1.51
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	1	1.51
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	2	1.51
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	2	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD11	8	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD12	8	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD13	8	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD21	8	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD22	8	1.51
(1,1556)	1:14:A:TYR:HA	1:35:A:LEU:HD23	8	1.51
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	7	1.51
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	7	1.51
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	7	1.51
(1,1380)	1:66:A:LEU:HD11	1:72:A:ILE:HG12	17	1.51
(1,1380)	1:66:A:LEU:HD12	1:72:A:ILE:HG12	17	1.51
(1,1380)	1:66:A:LEU:HD13	1:72:A:ILE:HG12	17	1.51
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	11	1.51
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	16	1.51
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	14	1.51
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	14	1.51
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	9	1.51
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	9	1.51
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	9	1.51
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	5	1.51
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	1	1.51
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	1	1.51
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	1	1.51
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	1	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	1	1.51
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	1	1.51
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	1	1.51
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	1	1.51
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	1	1.51
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	5	1.51
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	5	1.51
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	5	1.51
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	13	1.51
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	13	1.51
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	13	1.51
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	14	1.51
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	14	1.51
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	14	1.51
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	9	1.51
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	3	1.51
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	5	1.51
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	10	1.51
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	20	1.51
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	1	1.51
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	15	1.51
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	17	1.51
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	20	1.51
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	19	1.5
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	19	1.5
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	19	1.5
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	19	1.5
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	19	1.5
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	19	1.5
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	19	1.5
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	19	1.5
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	3	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	3	1.5
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	10	1.5
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	10	1.5
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	20	1.5
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	20	1.5
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	7	1.5
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	7	1.5
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	20	1.5
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	20	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	3	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	3	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	3	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	3	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	3	1.5
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	3	1.5
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	12	1.5
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	12	1.5
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	7	1.5
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	7	1.5
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	7	1.5
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	4	1.5
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	7	1.5
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	19	1.5
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	19	1.5
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	19	1.5
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	12	1.5
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	17	1.5
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	13	1.5
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	13	1.5
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	13	1.5
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	13	1.5
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	13	1.5
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	13	1.5
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	3	1.5
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	3	1.5
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	3	1.5
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	10	1.5
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	10	1.5
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	10	1.5
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	4	1.5
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	9	1.5
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	11	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	14	1.5
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	18	1.5
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	12	1.49
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	12	1.49
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	16	1.49
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	16	1.49
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	10	1.49
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	10	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	6	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	6	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	6	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	16	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	16	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	16	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	19	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	19	1.49
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	19	1.49
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	6	1.49
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	14	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	2	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	2	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	2	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	11	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	11	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	11	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	13	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	13	1.49
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	13	1.49
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	19	1.49
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	14	1.49
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	3	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	3	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	3	1.49
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	3	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	3	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	3	1.49
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	4	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	4	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	4	1.49
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	4	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	4	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	4	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	9	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	9	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	9	1.49
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	9	1.49
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	9	1.49
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	9	1.49
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	4	1.49
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	8	1.49
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	11	1.49
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	14	1.49
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	19	1.49
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	19	1.49
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	19	1.49
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	19	1.49
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	18	1.48
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	18	1.48
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	15	1.48
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	15	1.48
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	15	1.48
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	15	1.48
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	15	1.48
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	15	1.48
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	6	1.48
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	6	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	2	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	2	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	2	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	10	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	10	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	10	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	13	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	13	1.48
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	13	1.48
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	2	1.48
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	2	1.48
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	2	1.48
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	8	1.48
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	8	1.48
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	8	1.48
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	14	1.48
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	14	1.48
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	10	1.48
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	13	1.48
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	4	1.48
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	19	1.48
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	4	1.48
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	2	1.48
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	11	1.48
(1,260)	1:8:A:LYS:H	1:74:A:MET:H	5	1.48
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD11	1:72:A:ILE:HD13	15	1.47
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD12	1:72:A:ILE:HD13	15	1.47
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD13	1:72:A:ILE:HD13	15	1.47
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD21	1:72:A:ILE:HD13	15	1.47
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD22	1:72:A:ILE:HD13	15	1.47
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD11	15	1.47
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD12	15	1.47
(1,1837)	1:61:A:LEU:HD23	1:72:A:ILE:HD13	15	1.47
(1,1786)	1:53:A:LYS:HB2	1:56:A:GLU:H	12	1.47
(1,1786)	1:53:A:LYS:HB3	1:56:A:GLU:H	12	1.47
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	19	1.47
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	19	1.47
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	19	1.47
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	19	1.47
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	19	1.47
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	19	1.47
(1,1770)	1:50:A:VAL:HG11	1:55:A:ALA:HA	8	1.47
(1,1770)	1:50:A:VAL:HG12	1:55:A:ALA:HA	8	1.47
(1,1770)	1:50:A:VAL:HG13	1:55:A:ALA:HA	8	1.47
(1,1770)	1:50:A:VAL:HG21	1:55:A:ALA:HA	8	1.47
(1,1770)	1:50:A:VAL:HG22	1:55:A:ALA:HA	8	1.47
(1,1770)	1:50:A:VAL:HG23	1:55:A:ALA:HA	8	1.47
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	8	1.47
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	4	1.47
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	4	1.47
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	4	1.47
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	4	1.47
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	4	1.47
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	4	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	1	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	1	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	1	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	1	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	1	1.47
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	1	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	11	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	13	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	13	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	13	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	13	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	13	1.47
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	13	1.47
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	17	1.47
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	19	1.47
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	19	1.47
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	19	1.47
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	19	1.47
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	17	1.47
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	17	1.47
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	17	1.47
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	19	1.47
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	19	1.47
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	19	1.47
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	3	1.47
(1,1005)	1:19:A:LEU:HG	1:28:A:LEU:HG	15	1.47
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	9	1.47
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	11	1.47
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	20	1.47
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	20	1.47
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	20	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	20	1.47
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	20	1.47
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	20	1.47
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	15	1.47
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	16	1.47
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	1	1.47
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	3	1.47
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	5	1.47
(1,583)	1:62:A:GLY:HA2	1:66:A:LEU:H	13	1.47
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	9	1.47
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	15	1.47
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	7	1.47
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	16	1.46
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	16	1.46
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	16	1.46
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	16	1.46
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	16	1.46
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	16	1.46
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	17	1.46
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	17	1.46
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	17	1.46
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	9	1.46
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	8	1.46
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	8	1.46
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG21	10	1.46
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG22	10	1.46
(1,1132)	1:33:A:LYS:HD2	1:38:A:VAL:HG23	10	1.46
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	9	1.46
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	1	1.46
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	18	1.46
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	9	1.46
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	8	1.46
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	18	1.46
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	2	1.46
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	2	1.46
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	2	1.46
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	7	1.45
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	7	1.45
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	1	1.45
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	1	1.45
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	12	1.45
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	12	1.45
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	2	1.45
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	2	1.45
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	2	1.45
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	17	1.45
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	6	1.45
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	16	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	1	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	3	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	4	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	5	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	6	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	7	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	9	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	12	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	14	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	15	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	16	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	17	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	19	1.45
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	20	1.45
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	17	1.44
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	17	1.44
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	17	1.44
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	17	1.44
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	17	1.44
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	17	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	14	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	20	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	20	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	20	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	20	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	20	1.44
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	20	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	3	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	3	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	3	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	3	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	3	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	3	1.44
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	11	1.44
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	11	1.44
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	9	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	4	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	4	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	4	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	18	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	18	1.44
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	18	1.44
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	12	1.44
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	9	1.44
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	10	1.44
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	13	1.44
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	5	1.44
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	1	1.44
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	5	1.44
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	17	1.44
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	20	1.44
(1,312)	1:8:A:LYS:HG3	1:14:A:TYR:H	13	1.44
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	2	1.44
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	10	1.44
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	11	1.44
(1,179)	1:37:A:GLY:H	1:38:A:VAL:H	13	1.44
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	5	1.43
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	5	1.43
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	5	1.43
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	5	1.43
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	5	1.43
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	5	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	16	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	17	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	17	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	17	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	17	1.43
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	17	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	8	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	8	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	8	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	14	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	14	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	14	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	15	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	15	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	15	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	20	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	20	1.43
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	20	1.43
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	1	1.43
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	1	1.43
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	2	1.43
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	11	1.43
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	16	1.43
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	20	1.43
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	9	1.43
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	10	1.43
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	15	1.43
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	18	1.43
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	2	1.43
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	15	1.43
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	15	1.43
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	15	1.43
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	15	1.43
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	15	1.43
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	15	1.43
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	3	1.43
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	20	1.43
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	2	1.43
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	6	1.43
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	14	1.43
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	14	1.43
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	11	1.42
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	11	1.42
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	11	1.42
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	11	1.42
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	11	1.42
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	4	1.42
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	4	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	10	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	10	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	10	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	10	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	10	1.42
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	10	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	8	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	9	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	9	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	9	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	9	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	9	1.42
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	9	1.42
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	4	1.42
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	4	1.42
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	4	1.42
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	3	1.42
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	3	1.42
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	5	1.42
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	5	1.42
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	5	1.42
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	11	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	3	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	4	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	5	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	6	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	7	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	14	1.42
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	19	1.42
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	20	1.42
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	10	1.42
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	12	1.42
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	9	1.42
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	18	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	19	1.42
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	20	1.42
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	16	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	16	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	16	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	16	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	16	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	16	1.41
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	2	1.41
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	2	1.41
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	2	1.41
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	8	1.41
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	8	1.41
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	8	1.41
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	13	1.41
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	13	1.41
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	13	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	5	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	5	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	9	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	9	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	14	1.41
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	14	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	1	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	1	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	1	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	11	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	11	1.41
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	11	1.41
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	20	1.41
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	20	1.41
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	20	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	1	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	8	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	12	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	15	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	17	1.41
(1,1062)	1:33:A:LYS:HA	1:39:A:LEU:HA	18	1.41
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	8	1.41
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	15	1.41
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	3	1.41
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	4	1.41
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	6	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	7	1.4
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	13	1.4
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	13	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	17	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	17	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	17	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	17	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	17	1.4
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	17	1.4
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	14	1.4
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	14	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	7	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	7	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	7	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	7	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	7	1.4
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	7	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	1	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	1	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	1	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	3	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	3	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	3	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	6	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	6	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	6	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	7	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	7	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	7	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	9	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	9	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	9	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	10	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	10	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	10	1.4
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	11	1.4
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	11	1.4
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	11	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	3	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	3	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	3	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG21	9	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG22	9	1.4
(1,1387)	1:70:A:THR:HB	1:72:A:ILE:HG23	9	1.4
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	16	1.4
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	1	1.4
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	13	1.4
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	7	1.4
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	4	1.39
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	4	1.39
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	4	1.39
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	4	1.39
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	4	1.39
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	4	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	7	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	7	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	7	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	7	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	7	1.39
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	7	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	12	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	12	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	12	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	12	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	12	1.39
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	12	1.39
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	5	1.39
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	5	1.39
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	5	1.39
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	12	1.39
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	12	1.39
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	12	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	15	1.39
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	15	1.39
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	15	1.39
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	18	1.39
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	3	1.39
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	3	1.39
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	8	1.39
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	16	1.39
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	17	1.39
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	5	1.39
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	4	1.39
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	9	1.39
(1,1758)	1:49:A:LYS:HE2	1:54:A:PRO:HD3	2	1.38
(1,1758)	1:49:A:LYS:HE3	1:54:A:PRO:HD3	2	1.38
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	16	1.38
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	16	1.38
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	16	1.38
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	17	1.38
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	17	1.38
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	17	1.38
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	19	1.38
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	19	1.38
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	19	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	4	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	4	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	6	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	6	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	7	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	7	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	13	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	13	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	18	1.38
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	18	1.38
(1,629)	1:45:A:LEU:HB3	1:73:A:MET:H	13	1.38
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	15	1.38
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	2	1.37
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	2	1.37
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	2	1.37
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	2	1.37
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	2	1.37
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	2	1.37
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	13	1.37
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	13	1.37
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	13	1.37
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	13	1.37
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	13	1.37
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	14	1.37
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	14	1.37
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	14	1.37
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	18	1.37
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	18	1.37
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	18	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	11	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	11	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	15	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	15	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	17	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	17	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	19	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	19	1.37
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	7	1.37
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	18	1.37
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	9	1.37
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	9	1.37
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	9	1.37
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	1	1.37
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA2	14	1.37
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA2	14	1.37
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA2	14	1.37
(1,836)	1:5:A:ILE:HD11	1:62:A:GLY:HA3	14	1.37
(1,836)	1:5:A:ILE:HD12	1:62:A:GLY:HA3	14	1.37
(1,836)	1:5:A:ILE:HD13	1:62:A:GLY:HA3	14	1.37
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	14	1.37
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	20	1.36
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	20	1.36
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	10	1.36
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	10	1.36
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	3	1.36
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	6	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	6	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	6	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	6	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	6	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	8	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	8	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	8	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	8	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	8	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	8	1.35
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	9	1.35
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	9	1.35
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	10	1.35
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	9	1.35
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	19	1.35
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	2	1.35
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	6	1.35
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	3	1.35
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	16	1.34
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	16	1.34
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	16	1.34
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	16	1.34
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	16	1.34
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	16	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	18	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	18	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	18	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	18	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	18	1.34
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	18	1.34
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	2	1.34
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	2	1.34
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	8	1.34
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	8	1.34
(1,1430)	1:8:A:LYS:HB3	1:73:A:MET:HG2	20	1.34
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	15	1.34
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	15	1.34
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	17	1.34
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	17	1.34
(1,1094)	1:14:A:TYR:HB3	1:35:A:LEU:HG	6	1.34
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	5	1.34
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	8	1.34
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	6	1.34
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	12	1.34
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	12	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	12	1.34
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	6	1.33
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	6	1.33
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	6	1.33
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	6	1.33
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	6	1.33
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	6	1.33
(1,1352)	1:5:A:ILE:HD11	1:67:A:LYS:HA	15	1.33
(1,1352)	1:5:A:ILE:HD12	1:67:A:LYS:HA	15	1.33
(1,1352)	1:5:A:ILE:HD13	1:67:A:LYS:HA	15	1.33
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	19	1.33
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	19	1.33
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	2	1.33
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	6	1.33
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	12	1.33
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	18	1.33
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	8	1.33
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	7	1.33
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	16	1.33
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	2	1.33
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	15	1.33
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	9	1.32
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	9	1.32
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	9	1.32
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	9	1.32
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	9	1.32
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	9	1.32
(1,1484)	1:5:A:ILE:HD11	1:68:A:PRO:HA	20	1.32
(1,1484)	1:5:A:ILE:HD12	1:68:A:PRO:HA	20	1.32
(1,1484)	1:5:A:ILE:HD13	1:68:A:PRO:HA	20	1.32
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD2	16	1.32
(1,1467)	1:29:A:LYS:HB3	1:40:A:PRO:HD3	16	1.32
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	12	1.32
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	11	1.32
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	11	1.32
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	15	1.32
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	18	1.32
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	2	1.32
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	16	1.32
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	11	1.32
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	19	1.32
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	19	1.32
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	8	1.32
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	19	1.32
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	19	1.31
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	19	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	19	1.31
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	10	1.31
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	10	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD11	18	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD12	18	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD13	18	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD21	18	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD22	18	1.31
(1,1558)	1:14:A:TYR:HD1	1:35:A:LEU:HD23	18	1.31
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	3	1.31
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	3	1.31
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	3	1.31
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	11	1.31
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	3	1.31
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	11	1.31
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	11	1.31
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	11	1.31
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	2	1.31
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	9	1.31
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	15	1.31
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	6	1.31
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	11	1.31
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	11	1.3
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	11	1.3
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	11	1.3
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	11	1.3
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	11	1.3
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	11	1.3
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	5	1.3
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	5	1.3
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	5	1.3
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	3	1.3
(1,1005)	1:19:A:LEU:HG	1:28:A:LEU:HG	20	1.3
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	16	1.3
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	14	1.3
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	20	1.3
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	11	1.3
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	13	1.3
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	4	1.3
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	4	1.3
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	4	1.3
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	8	1.3
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	8	1.3
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	8	1.3
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	16	1.3
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	16	1.3
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	16	1.3
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	17	1.3
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	17	1.3
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	17	1.3
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	10	1.3
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	17	1.3
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	12	1.3
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	17	1.3
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	17	1.3
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	5	1.29
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	5	1.29
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	5	1.29
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	5	1.29
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	5	1.29
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	5	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	14	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	14	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	14	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	14	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	14	1.29
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	14	1.29
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	12	1.29
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	14	1.29
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	6	1.29
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	5	1.29
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	8	1.29
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	13	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	16	1.29
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	10	1.29
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	11	1.29
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	19	1.29
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	19	1.29
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	19	1.29
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	4	1.29
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	8	1.29
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	11	1.29
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	4	1.29
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	6	1.29
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	7	1.29
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	16	1.29
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	2	1.28
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	2	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	20	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	20	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	20	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	20	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	20	1.28
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	20	1.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	19	1.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	19	1.28
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	6	1.28
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	6	1.28
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	11	1.28
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	11	1.28
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	11	1.28
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	8	1.28
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	15	1.28
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	2	1.28
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	15	1.28
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	7	1.28
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	18	1.28
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	20	1.28
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	20	1.28
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	20	1.28
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	6	1.28
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	6	1.28
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	6	1.28
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	12	1.28
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	8	1.27
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	8	1.27
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	1	1.27
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	3	1.27
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	4	1.27
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	14	1.27
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	6	1.27
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	4	1.27
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	9	1.27
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	12	1.27
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	1	1.27
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	7	1.27
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	1	1.27
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	1	1.27
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	1	1.27
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	3	1.27
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	13	1.27
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	13	1.27
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	13	1.27
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	3	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	18	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	18	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	18	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	18	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	18	1.26
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	18	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD11	15	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD12	15	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD13	15	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD21	15	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD22	15	1.26
(1,1657)	1:29:A:LYS:HD3	1:61:A:LEU:HD23	15	1.26
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	13	1.26
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	13	1.26
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	13	1.26
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	16	1.26
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	16	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	16	1.26
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	17	1.26
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	20	1.26
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	16	1.26
(1,810)	1:8:A:LYS:HG3	1:11:A:GLY:HA2	7	1.26
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	7	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	3	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	5	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	10	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	12	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	13	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	17	1.26
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	19	1.26
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	18	1.26
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	3	1.26
(1,340)	1:3:A:LEU:HB2	1:20:A:SER:H	16	1.26
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	15	1.26
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	15	1.26
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	15	1.26
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	7	1.26
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	7	1.26
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	7	1.26
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	9	1.26
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	9	1.26
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	9	1.26
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	4	1.25
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	4	1.25
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	4	1.25
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	4	1.25
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	4	1.25
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	4	1.25
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	6	1.25
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	6	1.25
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	3	1.25
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	3	1.25
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	3	1.25
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	4	1.25
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	4	1.25
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	4	1.25
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	6	1.25
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	7	1.25
(1,1005)	1:19:A:LEU:HG	1:28:A:LEU:HG	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	15	1.25
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	15	1.25
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	15	1.25
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	20	1.25
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	7	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	1	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	2	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	6	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	8	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	11	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	16	1.25
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	18	1.25
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	6	1.25
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	10	1.25
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	3	1.25
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	3	1.25
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	3	1.25
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	18	1.25
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	18	1.25
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	18	1.25
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	5	1.25
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	14	1.25
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	16	1.25
(1,117)	1:31:A:PHE:HD1	1:32:A:LEU:H	18	1.25
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	13	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	14	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	14	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	14	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	14	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	14	1.24
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	14	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	1	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	1	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	1	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	1	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	1	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	10	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	10	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	10	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	10	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	10	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	10	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	15	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	15	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	15	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	18	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	18	1.24
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	18	1.24
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	5	1.24
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	5	1.24
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	7	1.24
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	19	1.24
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	16	1.24
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	7	1.24
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	2	1.24
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	7	1.24
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	8	1.24
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	11	1.24
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	1	1.24
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	5	1.24
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	5	1.24
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	5	1.24
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	14	1.24
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	14	1.24
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	14	1.24
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	12	1.24
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	12	1.24
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	3	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	5	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	5	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	5	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	5	1.23
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	5	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	5	1.23
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	16	1.23
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	16	1.23
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	16	1.23
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	9	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	6	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	6	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	6	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	7	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	7	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	7	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	8	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	8	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	8	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	14	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	14	1.23
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	14	1.23
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	19	1.23
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	11	1.23
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	13	1.23
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	6	1.23
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	16	1.23
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	2	1.23
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	2	1.23
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	2	1.23
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	4	1.23
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	4	1.23
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	4	1.23
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	10	1.23
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	10	1.23
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	10	1.23
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	13	1.23
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	13	1.23
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	13	1.23
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	18	1.23
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	5	1.23
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	12	1.23
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	20	1.23
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	7	1.22
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	7	1.22
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	7	1.22
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	7	1.22
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	7	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	5	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	5	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	5	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	12	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	12	1.22
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	12	1.22
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	4	1.22
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	4	1.22
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	4	1.22
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	17	1.22
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	17	1.22
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	17	1.22
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	2	1.22
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	11	1.22
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	16	1.22
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	13	1.22
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	6	1.22
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	8	1.22
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	8	1.22
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	8	1.22
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	11	1.22
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	8	1.22
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	8	1.22
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	8	1.22
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	19	1.22
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	19	1.22
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	19	1.22
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	2	1.22
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	2	1.22
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	2	1.22
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	5	1.22
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	5	1.22
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	5	1.22
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	10	1.22
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	10	1.22
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	10	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	4	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	4	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	7	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	8	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	8	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	18	1.22
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	18	1.22
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	1	1.22
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	13	1.22
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	14	1.22
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	20	1.22
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	20	1.22
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	20	1.22
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	9	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	10	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	10	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	10	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	10	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	10	1.21
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	10	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	3	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	3	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	3	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	3	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	3	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	3	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	4	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	4	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	4	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	4	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	4	1.21
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	4	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	2	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	17	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	17	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	17	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	17	1.21
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	17	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	13	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	13	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	13	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	13	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	13	1.21
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	13	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	1	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	1	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	1	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	7	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	7	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	7	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	8	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	8	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	8	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	13	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	13	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	13	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	16	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	16	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	16	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	18	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	18	1.21
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	18	1.21
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	8	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	9	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	9	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	9	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	20	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	20	1.21
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	20	1.21
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	9	1.21
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	10	1.21
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	6	1.21
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	17	1.21
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	3	1.21
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	3	1.21
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	3	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	5	1.21
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	5	1.21
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	5	1.21
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	18	1.21
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	18	1.21
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	18	1.21
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	9	1.21
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	12	1.21
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	18	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	6	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	6	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	6	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	17	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	17	1.21
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	17	1.21
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	7	1.21
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	7	1.21
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	7	1.21
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	1	1.21
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	18	1.21
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	19	1.21
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	13	1.21
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	7	1.21
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	7	1.21
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	7	1.21
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	1	1.21
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	1	1.21
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	1	1.21
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	3	1.21
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	3	1.21
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	3	1.21
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	13	1.21
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	13	1.21
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	13	1.21
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	14	1.21
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	14	1.21
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	14	1.21
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	20	1.21
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	20	1.21
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	20	1.21
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	1	1.21
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	1	1.21
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	1	1.21
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	14	1.21
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	14	1.21
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	15	1.21
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	15	1.21
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	3	1.21
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	10	1.21
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	5	1.2
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	5	1.2
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	5	1.2
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	5	1.2
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	5	1.2
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	5	1.2
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	7	1.2
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	7	1.2
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	13	1.2
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	13	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	15	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	15	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	15	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	15	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	15	1.2
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	15	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	12	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	12	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	12	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	12	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	12	1.2
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	12	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	2	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	2	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	2	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	4	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	4	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	4	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	6	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	6	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	6	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	9	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	9	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	9	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	11	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	11	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	11	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	14	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	14	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	14	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	15	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	15	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	15	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	17	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	17	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	17	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	19	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	19	1.2
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	19	1.2
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	8	1.2
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	8	1.2
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	8	1.2
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	1	1.2
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	1	1.2
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	1	1.2
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	1	1.2
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	3	1.2
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	1	1.2
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	8	1.2
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	10	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	8	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	8	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	8	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	11	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	11	1.2
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	11	1.2
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	11	1.2
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	4	1.2
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	3	1.2
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	4	1.2
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	5	1.2
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	13	1.2
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	17	1.2
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	14	1.2
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	1	1.2
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	12	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	12	1.2
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	12	1.2
(1,189)	1:36:A:THR:HG21	1:38:A:VAL:H	15	1.2
(1,189)	1:36:A:THR:HG22	1:38:A:VAL:H	15	1.2
(1,189)	1:36:A:THR:HG23	1:38:A:VAL:H	15	1.2
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	20	1.2
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	20	1.2
(1,56)	1:50:A:VAL:H	1:55:A:ALA:HA	9	1.2
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	20	1.19
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	20	1.19
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	20	1.19
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	20	1.19
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	20	1.19
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	20	1.19
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	20	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	8	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	8	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	8	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	8	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	8	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	8	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	15	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	15	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	15	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	15	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	15	1.19
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	15	1.19
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	16	1.19
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	16	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	9	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	9	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	9	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	9	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	9	1.19
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	9	1.19
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	11	1.19
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	10	1.19
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	10	1.19
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG21	20	1.19
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG22	20	1.19
(1,1392)	1:45:A:LEU:HB3	1:72:A:ILE:HG23	20	1.19
(1,1229)	1:49:A:LYS:HD2	1:54:A:PRO:HB2	18	1.19
(1,1229)	1:49:A:LYS:HD3	1:54:A:PRO:HB2	18	1.19
(1,1119)	1:33:A:LYS:HD2	1:38:A:VAL:HA	13	1.19
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	13	1.19
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	3	1.19
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	5	1.19
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	13	1.19
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	15	1.19
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	15	1.19
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	15	1.19
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	4	1.19
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	4	1.19
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	4	1.19
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	15	1.19
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	15	1.19
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	15	1.19
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	3	1.19
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	5	1.19
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	12	1.19
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	10	1.19
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	12	1.19
(1,388)	1:3:A:LEU:HB2	1:23:A:ASP:H	20	1.19
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	5	1.19
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	10	1.19
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	11	1.19
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	18	1.19
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	6	1.19
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	6	1.19
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	6	1.19
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	9	1.19
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	9	1.19
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	9	1.19
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	11	1.19
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	11	1.19
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	11	1.19
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	12	1.19
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	12	1.19
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	16	1.19
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	16	1.19
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	16	1.19
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	11	1.19
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	15	1.19
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	18	1.19
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	18	1.19
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	18	1.19
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	6	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	6	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	6	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	6	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	6	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	6	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	7	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	7	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	7	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	7	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	7	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	7	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	11	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	11	1.18
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	11	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	11	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	11	1.18
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	11	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	19	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	19	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	19	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	19	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	19	1.18
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	19	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	18	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	18	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	18	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	18	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	18	1.18
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	18	1.18
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	1	1.18
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	14	1.18
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	15	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	6	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	6	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	6	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	15	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	15	1.18
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	15	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	12	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	12	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	12	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	19	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	19	1.18
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	19	1.18
(1,920)	1:3:A:LEU:HB2	1:20:A:SER:HA	17	1.18
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	14	1.18
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	2	1.18
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	11	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	7	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	7	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	7	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	16	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	16	1.18
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	16	1.18
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	19	1.18
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	13	1.18
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	13	1.18
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	13	1.18
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	11	1.18
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	11	1.18
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	11	1.18
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	16	1.18
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	16	1.18
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	16	1.18
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	13	1.18
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	16	1.18
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	13	1.18
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	4	1.18
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	6	1.18
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	9	1.18
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	12	1.18
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	17	1.18
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	17	1.18
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	4	1.18
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	8	1.18
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	14	1.18
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	6	1.18
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	6	1.18
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	17	1.18
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	17	1.18
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	1	1.18
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	1	1.18
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	1	1.18
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	3	1.18
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	3	1.18
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	3	1.18
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	5	1.18
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	5	1.18
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	5	1.18
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	18	1.17
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	18	1.17
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	18	1.17
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	18	1.17
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	18	1.17
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	18	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	14	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	14	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	14	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	14	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	14	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	14	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	17	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	17	1.17
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	17	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	17	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	17	1.17
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	17	1.17
(1,1716)	1:43:A:GLN:HG2	1:77:A:THR:HA	10	1.17
(1,1716)	1:43:A:GLN:HG3	1:77:A:THR:HA	10	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	6	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	6	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	6	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	6	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	6	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	8	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	8	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	8	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	8	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	8	1.17
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	8	1.17
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	3	1.17
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	10	1.17
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	7	1.17
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	7	1.17
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	7	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	2	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	2	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	2	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	2	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	2	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	2	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	2	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	2	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	2	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	20	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	20	1.17
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	20	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	20	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	20	1.17
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	20	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	20	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	20	1.17
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	20	1.17
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	11	1.17
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	12	1.17
(1,920)	1:3:A:LEU:HB2	1:20:A:SER:HA	19	1.17
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	6	1.17
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	2	1.17
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	6	1.17
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	4	1.17
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	4	1.17
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	4	1.17
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	2	1.17
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	4	1.17
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	17	1.17
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	5	1.17
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	5	1.17
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	5	1.17
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	6	1.17
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	6	1.17
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	6	1.17
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	1	1.17
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	5	1.17
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	10	1.17
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	20	1.17
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	18	1.17
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	18	1.17
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	18	1.17
(1,390)	1:19:A:LEU:HG	1:23:A:ASP:H	9	1.17
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	3	1.17
(1,333)	1:16:A:VAL:HG21	1:19:A:LEU:H	18	1.17
(1,333)	1:16:A:VAL:HG22	1:19:A:LEU:H	18	1.17
(1,333)	1:16:A:VAL:HG23	1:19:A:LEU:H	18	1.17
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	5	1.17
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	10	1.17
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	17	1.17
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	3	1.17
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	3	1.17
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	9	1.17
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	9	1.17
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	9	1.17
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	9	1.17
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	9	1.17
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	8	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	8	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	8	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	8	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	8	1.16
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	8	1.16
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	13	1.16
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	13	1.16
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	13	1.16
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	13	1.16
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	13	1.16
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	13	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	9	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	9	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	9	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	9	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	9	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	20	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	20	1.16
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	20	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	20	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	20	1.16
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	20	1.16
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	2	1.16
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	5	1.16
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	10	1.16
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	10	1.16
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	17	1.16
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	17	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	3	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	3	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	3	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	5	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	5	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	5	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	9	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	9	1.16
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	9	1.16
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	2	1.16
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	2	1.16
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	2	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	15	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	15	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	15	1.16
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	15	1.16
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	15	1.16
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	15	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	15	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	15	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	15	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	16	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	16	1.16
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	16	1.16
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	16	1.16
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	16	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	16	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	16	1.16
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	16	1.16
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	4	1.16
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	4	1.16
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	4	1.16
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	4	1.16
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	11	1.16
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	11	1.16
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	11	1.16
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	5	1.16
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	5	1.16
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	5	1.16
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	10	1.16
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	18	1.16
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	4	1.16
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	7	1.16
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	8	1.16
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	10	1.16
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	12	1.16
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	16	1.16
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	20	1.16
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	3	1.16
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	3	1.16
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	3	1.16
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	10	1.16
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	10	1.16
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	10	1.16
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	2	1.16
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	2	1.16
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	2	1.16
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	17	1.16
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	17	1.16
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	17	1.16
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	1	1.16
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	9	1.16
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	2	1.16
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	7	1.16
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	14	1.16
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	20	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	1	1.16
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	3	1.16
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	12	1.16
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	5	1.16
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	5	1.16
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	5	1.15
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	10	1.15
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	16	1.15
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	16	1.15
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	16	1.15
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	16	1.15
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	16	1.15
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	16	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	1	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	1	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	1	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	1	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	1	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	1	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	13	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	13	1.15
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	13	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	13	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	13	1.15
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	13	1.15
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	8	1.15
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	19	1.15
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	19	1.15
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	19	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	14	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	14	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	17	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	17	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	17	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	20	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	20	1.15
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	20	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	6	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	6	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	6	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	6	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	6	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	6	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	6	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	6	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	6	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	8	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	8	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	8	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	8	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	8	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	8	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	8	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	8	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	8	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	11	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	11	1.15
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	11	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	11	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	11	1.15
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	11	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	11	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	11	1.15
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	11	1.15
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	8	1.15
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	7	1.15
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	10	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	1	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	1	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	1	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	3	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	3	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	10	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	10	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	10	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	12	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	12	1.15
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	12	1.15
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	19	1.15
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	1	1.15
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	15	1.15
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	1	1.15
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	1	1.15
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	1	1.15
(1,576)	1:55:A:ALA:HB1	1:65:A:LYS:H	19	1.15
(1,576)	1:55:A:ALA:HB2	1:65:A:LYS:H	19	1.15
(1,576)	1:55:A:ALA:HB3	1:65:A:LYS:H	19	1.15
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	14	1.15
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	17	1.15
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	19	1.15
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	8	1.15
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	14	1.15
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	15	1.15
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	15	1.15
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	2	1.15
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	6	1.15
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	16	1.15
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	20	1.15
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	10	1.15
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	10	1.15
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	10	1.15
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	14	1.15
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	14	1.15
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	14	1.15
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	13	1.14
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	13	1.14
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	13	1.14
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	13	1.14
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	13	1.14
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	13	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	12	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	12	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	12	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	12	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	12	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	16	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	16	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	16	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	16	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	16	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	16	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	19	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	19	1.14
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	19	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	19	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	19	1.14
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	19	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	16	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	16	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	16	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	16	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	16	1.14
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	16	1.14
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	10	1.14
(1,1303)	1:60:A:LYS:HG3	1:63:A:ALA:HA	13	1.14
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	2	1.14
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	2	1.14
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	6	1.14
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	6	1.14
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	11	1.14
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	11	1.14
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	14	1.14
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	14	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	1	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	1	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	1	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	12	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	12	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	12	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	19	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	19	1.14
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	19	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	4	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	4	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	4	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	4	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	4	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	4	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	4	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	4	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	7	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	7	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	7	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	7	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	7	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	7	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	7	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	7	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	7	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	14	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	14	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	14	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	14	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	14	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	14	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	14	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	14	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	14	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	17	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	17	1.14
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	17	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	17	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	17	1.14
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	17	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	17	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	17	1.14
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	17	1.14
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	6	1.14
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	6	1.14
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	6	1.14
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	6	1.14
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	4	1.14
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	16	1.14
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	9	1.14
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	6	1.14
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	14	1.14
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	18	1.14
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	7	1.14
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	8	1.14
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	15	1.14
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	10	1.14
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	14	1.14
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	8	1.14
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	8	1.14
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	8	1.14
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	7	1.14
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	13	1.14
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	13	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	10	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	10	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	13	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	13	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	16	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	16	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	19	1.14
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	19	1.14
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	5	1.13
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	5	1.13
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	5	1.13
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	5	1.13
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	5	1.13
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	5	1.13
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	1	1.13
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	3	1.13
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	11	1.13
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	11	1.13
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	11	1.13
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	11	1.13
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	11	1.13
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	14	1.13
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	14	1.13
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	14	1.13
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	14	1.13
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	14	1.13
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	14	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	2	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	2	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	2	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	2	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	2	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	2	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	18	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	18	1.13
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	18	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	18	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	18	1.13
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	18	1.13
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	13	1.13
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	13	1.13
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	2	1.13
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	2	1.13
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	2	1.13
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	19	1.13
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	19	1.13
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	19	1.13
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	19	1.13
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	19	1.13
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	19	1.13
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	19	1.13
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	19	1.13
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	19	1.13
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	18	1.13
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	12	1.13
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	12	1.13
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	12	1.13
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	8	1.13
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	8	1.13
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	1	1.13
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	11	1.13
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	16	1.13
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	5	1.13
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	16	1.13
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	2	1.13
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	3	1.13
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	8	1.13
(1,373)	1:3:A:LEU:HB2	1:22:A:ASP:H	20	1.13
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	10	1.12
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	20	1.12
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	20	1.12
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	20	1.12
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	20	1.12
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	20	1.12
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	20	1.12
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	2	1.12
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	8	1.12
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	19	1.12
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	19	1.12
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	19	1.12
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	19	1.12
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	19	1.12
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	19	1.12
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD11	11	1.12
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD12	11	1.12
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD13	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD21	11	1.12
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD22	11	1.12
(1,1655)	1:29:A:LYS:HD2	1:61:A:LEU:HD23	11	1.12
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	4	1.12
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	11	1.12
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	11	1.12
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	11	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	13	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	13	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	13	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	13	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	13	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	13	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	13	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	13	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	13	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	18	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	18	1.12
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	18	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	18	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	18	1.12
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	18	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	18	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	18	1.12
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	18	1.12
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	4	1.12
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	4	1.12
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	4	1.12
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	8	1.12
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	8	1.12
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	8	1.12
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	8	1.12
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	17	1.12
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	17	1.12
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	17	1.12
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	18	1.12
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	18	1.12
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	18	1.12
(1,850)	1:8:A:LYS:HG3	1:13:A:GLU:HG3	16	1.12
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	5	1.12
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	12	1.12
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	8	1.12
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	7	1.12
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	18	1.12
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	2	1.12
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	15	1.12
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	17	1.12
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	19	1.12
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	18	1.12
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	2	1.12
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	2	1.12
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD2	11	1.12
(1,131)	1:33:A:LYS:H	1:40:A:PRO:HD3	11	1.12
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	11	1.12
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	11	1.12
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	11	1.12
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	16	1.12
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	16	1.12
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	16	1.12
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	14	1.11
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	14	1.11
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	14	1.11
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	14	1.11
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	14	1.11
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	14	1.11
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	4	1.11
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	9	1.11
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	15	1.11
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	15	1.11
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	15	1.11
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	15	1.11
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	15	1.11
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	18	1.11
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	20	1.11
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	20	1.11
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	20	1.11
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	20	1.11
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	20	1.11
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	20	1.11
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	12	1.11
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	12	1.11
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	12	1.11
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	1	1.11
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	1	1.11
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	3	1.11
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	3	1.11
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	4	1.11
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	4	1.11
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	7	1.11
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	7	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	5	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	5	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	5	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	5	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	5	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	5	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	5	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	5	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	5	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	9	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	9	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	9	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	9	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	9	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	9	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	9	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	9	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	9	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	12	1.11
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	12	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	12	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	12	1.11
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	12	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	12	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	12	1.11
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	12	1.11
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	19	1.11
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	19	1.11
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	19	1.11
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	8	1.11
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	17	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	1	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	1	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	1	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	3	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	3	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	3	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	5	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	5	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	5	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	14	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	14	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	14	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	18	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	18	1.11
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	18	1.11
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	12	1.11
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	4	1.11
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	6	1.11
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	7	1.11
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	11	1.11
(1,495)	1:49:A:LYS:HA	1:55:A:ALA:H	16	1.11
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	19	1.11
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	4	1.11
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	4	1.11
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	4	1.11
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	6	1.11
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	6	1.11
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	6	1.11
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	7	1.11
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	7	1.11
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	8	1.11
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	8	1.11
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	8	1.11
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	12	1.1
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	12	1.1
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	12	1.1
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	12	1.1
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	12	1.1
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	12	1.1
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	6	1.1
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	7	1.1
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	12	1.1
(1,1733)	1:45:A:LEU:HD11	1:74:A:MET:H	17	1.1
(1,1733)	1:45:A:LEU:HD12	1:74:A:MET:H	17	1.1
(1,1733)	1:45:A:LEU:HD13	1:74:A:MET:H	17	1.1
(1,1733)	1:45:A:LEU:HD21	1:74:A:MET:H	17	1.1
(1,1733)	1:45:A:LEU:HD22	1:74:A:MET:H	17	1.1
(1,1733)	1:45:A:LEU:HD23	1:74:A:MET:H	17	1.1
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	11	1.1
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	18	1.1
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	18	1.1
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	18	1.1
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	18	1.1
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	18	1.1
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	15	1.1
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	13	1.1
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	13	1.1
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	16	1.1
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	16	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	1	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	1	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	1	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	1	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	1	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	1	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	1	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	1	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	1	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	3	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	3	1.1
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	3	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	3	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	3	1.1
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	3	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	3	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	3	1.1
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	3	1.1
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	1	1.1
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	3	1.1
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	2	1.1
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	3	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	15	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	15	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	15	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	17	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	17	1.1
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	17	1.1
(1,748)	1:3:A:LEU:HB3	1:4:A:PRO:HG2	17	1.1
(1,748)	1:3:A:LEU:HB3	1:4:A:PRO:HG2	19	1.1
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	10	1.1
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	10	1.1
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	9	1.1
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	11	1.1
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	2	1.1
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	4	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	4	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	4	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	4	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	11	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	11	1.1
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	11	1.1
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	17	1.1
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	17	1.1
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	17	1.1
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	18	1.09
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	18	1.09
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	18	1.09
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	18	1.09
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	18	1.09
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	18	1.09
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	9	1.09
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	9	1.09
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	9	1.09
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	9	1.09
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	9	1.09
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	9	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	1	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	4	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	5	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	5	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	5	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	5	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	5	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	15	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	16	1.09
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	20	1.09
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	20	1.09
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	20	1.09
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	20	1.09
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	20	1.09
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	20	1.09
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE2	15	1.09
(1,1611)	1:24:A:THR:H	1:60:A:LYS:HE3	15	1.09
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	20	1.09
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	20	1.09
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	11	1.09
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	11	1.09
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	11	1.09
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	11	1.09
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	11	1.09
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	11	1.09
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	13	1.09
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	18	1.09
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	5	1.09
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	5	1.09
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	9	1.09
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	9	1.09
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	20	1.09
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	20	1.09
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	10	1.09
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	10	1.09
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	10	1.09
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG21	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG22	10	1.09
(1,1105)	1:32:A:LEU:HD21	1:36:A:THR:HG23	10	1.09
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG21	10	1.09
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG22	10	1.09
(1,1105)	1:32:A:LEU:HD22	1:36:A:THR:HG23	10	1.09
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG21	10	1.09
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG22	10	1.09
(1,1105)	1:32:A:LEU:HD23	1:36:A:THR:HG23	10	1.09
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	12	1.09
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	7	1.09
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	7	1.09
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	7	1.09
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	16	1.09
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	16	1.09
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	16	1.09
(1,799)	1:7:A:VAL:HB	1:14:A:TYR:HD1	20	1.09
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	9	1.09
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	9	1.09
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	9	1.09
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	14	1.09
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	18	1.09
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	18	1.09
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	18	1.09
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	9	1.09
(1,572)	1:61:A:LEU:HA	1:65:A:LYS:H	20	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	6	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	6	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	6	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	7	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	7	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	7	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	16	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	16	1.09
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	16	1.09
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	6	1.08
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	11	1.08
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	11	1.08
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	11	1.08
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	11	1.08
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	11	1.08
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	3	1.08
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	6	1.08
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	10	1.08
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	13	1.08
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	14	1.08
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	14	1.08
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	14	1.08
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	14	1.08
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	14	1.08
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	14	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	4	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	6	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	6	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	6	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	6	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	6	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	11	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	11	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	11	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	11	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	11	1.08
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	11	1.08
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	12	1.08
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	12	1.08
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	12	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	13	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	13	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	13	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	16	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	16	1.08
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	16	1.08
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	9	1.08
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	15	1.08
(1,699)	1:19:A:LEU:H	1:19:A:LEU:HG	20	1.08
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	9	1.08
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	9	1.08
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	9	1.08
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	12	1.08
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	12	1.08
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	12	1.08
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	15	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	2	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	2	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	2	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	17	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	17	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	17	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	19	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	19	1.08
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	19	1.08
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	12	1.08
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	18	1.08
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	3	1.07
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	3	1.07
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	3	1.07
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	3	1.07
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	3	1.07
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	12	1.07
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	12	1.07
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	12	1.07
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	12	1.07
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	12	1.07
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	12	1.07
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	17	1.07
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	17	1.07
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	17	1.07
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	17	1.07
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	17	1.07
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	17	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	2	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	7	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	8	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	16	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	16	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	16	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	16	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	16	1.07
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	16	1.07
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	1	1.07
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	1	1.07
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	1	1.07
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	1	1.07
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	1	1.07
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	5	1.07
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	13	1.07
(1,1047)	1:31:A:PHE:HD1	1:32:A:LEU:HA	18	1.07
(1,632)	1:72:A:ILE:HB	1:73:A:MET:H	3	1.07
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	16	1.07
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	16	1.07
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	16	1.07
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	17	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	5	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	5	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	5	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	15	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	15	1.07
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	15	1.07
(1,34)	1:66:A:LEU:HD11	1:67:A:LYS:H	15	1.07
(1,34)	1:66:A:LEU:HD12	1:67:A:LYS:H	15	1.07
(1,34)	1:66:A:LEU:HD13	1:67:A:LYS:H	15	1.07
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	12	1.06
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	12	1.06
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	12	1.06
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	12	1.06
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	12	1.06
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	12	1.06
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	7	1.06
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	7	1.06
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	7	1.06
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	7	1.06
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	7	1.06
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	7	1.06
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	2	1.06
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	7	1.06
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	7	1.06
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	7	1.06
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	7	1.06
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	7	1.06
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	8	1.06
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	19	1.06
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	19	1.06
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	19	1.06
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	19	1.06
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	19	1.06
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	19	1.06
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	12	1.06
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	20	1.06
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	20	1.06
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	20	1.06
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	20	1.06
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	20	1.06
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	20	1.06
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG21	18	1.06
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG22	18	1.06
(1,1175)	1:43:A:GLN:HG3	1:77:A:THR:HG23	18	1.06
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	12	1.06
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	14	1.06
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	19	1.06
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	16	1.06
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	16	1.06
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	16	1.06
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	18	1.06
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	18	1.06
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	18	1.06
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	5	1.06
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	2	1.06
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	2	1.06
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	17	1.06
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	19	1.06
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	19	1.06
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	19	1.06
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	19	1.06
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	19	1.06
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	13	1.06
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	13	1.06
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	13	1.06
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	8	1.06
(1,267)	1:8:A:LYS:H	1:72:A:ILE:HG13	9	1.06
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	4	1.05
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	16	1.05
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	16	1.05
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	16	1.05
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	16	1.05
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	16	1.05
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	16	1.05
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	9	1.05
(1,1732)	1:45:A:LEU:HD11	1:73:A:MET:HA	12	1.05
(1,1732)	1:45:A:LEU:HD12	1:73:A:MET:HA	12	1.05
(1,1732)	1:45:A:LEU:HD13	1:73:A:MET:HA	12	1.05
(1,1732)	1:45:A:LEU:HD21	1:73:A:MET:HA	12	1.05
(1,1732)	1:45:A:LEU:HD22	1:73:A:MET:HA	12	1.05
(1,1732)	1:45:A:LEU:HD23	1:73:A:MET:HA	12	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	7	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	7	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	7	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	7	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	7	1.05
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	12	1.05
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	12	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	17	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	17	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	17	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	17	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	17	1.05
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	17	1.05
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	15	1.05
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	15	1.05
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	15	1.05
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	15	1.05
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	15	1.05
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	15	1.05
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	10	1.05
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	19	1.05
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	19	1.05
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	19	1.05
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	2	1.05
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	15	1.05
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	17	1.05
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	11	1.05
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	11	1.05
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	11	1.05
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	20	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	1	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	1	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	1	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	12	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	12	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	12	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	20	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	20	1.05
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	20	1.05
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	12	1.05
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	18	1.05
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	1	1.05
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	5	1.05
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	10	1.05
(1,181)	1:38:A:VAL:H	1:78:A:ARG:HA	7	1.05
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	13	1.04
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	13	1.04
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	13	1.04
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	13	1.04
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	13	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	2	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	4	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	8	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	8	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	8	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	8	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	8	1.04
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	8	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	9	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	13	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	19	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	19	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	19	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	19	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	19	1.04
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	19	1.04
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	14	1.04
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	14	1.04
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	14	1.04
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	14	1.04
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	14	1.04
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	14	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	3	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	3	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	3	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	5	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	5	1.04
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	5	1.04
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	2	1.04
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	5	1.04
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	7	1.04
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	20	1.04
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	2	1.04
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	2	1.04
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	2	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	13	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	13	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	13	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	20	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	20	1.04
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	20	1.04
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	7	1.04
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	14	1.04
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	16	1.04
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	17	1.04
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	17	1.04
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	17	1.04
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	5	1.04
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	9	1.04
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	13	1.04
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	14	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	3	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	3	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	3	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	9	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	9	1.04
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	9	1.04
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	3	1.04
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	9	1.04
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	10	1.04
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	13	1.04
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	2	1.04
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	3	1.04
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	11	1.04
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	13	1.04
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	19	1.04
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	19	1.04
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	19	1.04
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	9	1.03
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	14	1.03
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	14	1.03
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	14	1.03
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	14	1.03
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	14	1.03
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	14	1.03
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	7	1.03
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	7	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	10	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	10	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	10	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	10	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	10	1.03
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	10	1.03
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	15	1.03
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	15	1.03
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	15	1.03
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	15	1.03
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	15	1.03
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	15	1.03
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	1	1.03
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	1	1.03
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	1	1.03
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	1	1.03
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	1	1.03
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	3	1.03
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	7	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	1	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	1	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	1	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	13	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	13	1.03
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	13	1.03
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	15	1.03
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	15	1.03
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	15	1.03
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	7	1.03
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	7	1.03
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	7	1.03
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	7	1.03
(1,885)	1:16:A:VAL:HG11	1:31:A:PHE:HD1	8	1.03
(1,885)	1:16:A:VAL:HG12	1:31:A:PHE:HD1	8	1.03
(1,885)	1:16:A:VAL:HG13	1:31:A:PHE:HD1	8	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	4	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	5	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	6	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	8	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	10	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	11	1.03
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	13	1.03
(1,746)	1:2:A:ALA:HA	1:19:A:LEU:HA	19	1.03
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	20	1.03
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	20	1.03
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	20	1.03
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	4	1.03
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	4	1.03
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	4	1.03
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	7	1.03
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	7	1.03
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	7	1.03
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	1	1.03
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	4	1.03
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	8	1.03
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	16	1.03
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	17	1.03
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	6	1.03
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	3	1.02
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	5	1.02
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	10	1.02
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	10	1.02
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	10	1.02
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	10	1.02
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	10	1.02
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	10	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	1	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	3	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	5	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	18	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	18	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	18	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	18	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	18	1.02
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	18	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	2	1.02
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	2	1.02
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	2	1.02
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	2	1.02
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	2	1.02
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	2	1.02
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	1	1.02
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	20	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	14	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	14	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	14	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	15	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	15	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	15	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	17	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	17	1.02
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	17	1.02
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	15	1.02
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	18	1.02
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	18	1.02
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	18	1.02
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	6	1.02
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	6	1.02
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	6	1.02
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	4	1.02
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	4	1.02
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	4	1.02
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	1	1.02
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	3	1.02
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	9	1.02
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	12	1.02
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	18	1.02
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	6	1.02
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	6	1.02
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	6	1.02
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	1	1.02
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	12	1.02
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	2	1.02
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	6	1.02
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	7	1.02
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	19	1.02
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	1	1.02
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	1	1.02
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	1	1.01
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	1	1.01
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	1	1.01
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	1	1.01
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	1	1.01
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	1	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	6	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	17	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	17	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	17	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	17	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	17	1.01
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	17	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	12	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	12	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	12	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	12	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	12	1.01
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	12	1.01
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	4	1.01
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	4	1.01
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	3	1.01
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	8	1.01
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	9	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	9	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	9	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	9	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	9	1.01
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	18	1.01
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	19	1.01
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	19	1.01
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	19	1.01
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	19	1.01
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	19	1.01
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	19	1.01
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	6	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	9	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	9	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	9	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	18	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	18	1.01
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	18	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	5	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	5	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	5	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	11	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	11	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	11	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	12	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	12	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	12	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	14	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	14	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	14	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	16	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	16	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	16	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	17	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	17	1.01
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	17	1.01
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:5:A:ILE:HB	1:68:A:PRO:HA	20	1.01
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	2	1.01
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	2	1.01
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	2	1.01
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	2	1.01
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	2	1.01
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	2	1.01
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	11	1.01
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	17	1.01
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	17	1.01
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	17	1.01
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	19	1.0
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	11	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	19	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	19	1.0
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	4	1.0
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	4	1.0
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	4	1.0
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	4	1.0
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	4	1.0
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	4	1.0
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	7	1.0
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	7	1.0
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	7	1.0
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	7	1.0
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	7	1.0
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	7	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	4	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	4	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	4	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	6	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	6	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	8	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	8	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	8	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	12	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	12	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	12	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	19	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	19	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	19	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	20	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	20	1.0
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	20	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	1	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	1	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	1	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	3	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	3	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	3	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	8	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	8	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	8	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	10	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	10	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	10	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	19	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	19	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	19	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	20	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	20	1.0
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	20	1.0
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	19	1.0
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	19	1.0
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	19	1.0
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	4	1.0
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	20	1.0
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	20	1.0
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	20	1.0
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	14	1.0
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	14	1.0
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	14	1.0
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	10	1.0
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	19	1.0
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	14	1.0
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	14	1.0
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	14	1.0
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	4	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	4	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	4	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	4	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	16	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	16	1.0
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	16	1.0
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	16	0.99
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	16	0.99
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	16	0.99
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	16	0.99
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	16	0.99
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	16	0.99
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	5	0.99
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	7	0.99
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	10	0.99
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	13	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	13	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	13	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	13	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	13	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	16	0.99
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	17	0.99
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	17	0.99
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	17	0.99
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	17	0.99
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	17	0.99
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	17	0.99
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	13	0.99
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	14	0.99
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	14	0.99
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	14	0.99
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	14	0.99
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	14	0.99
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	14	0.99
(1,1226)	1:49:A:LYS:HD2	1:53:A:LYS:HA	18	0.99
(1,1226)	1:49:A:LYS:HD3	1:53:A:LYS:HA	18	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	10	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	10	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	10	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	11	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	11	0.99
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	11	0.99
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	4	0.99
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	11	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	2	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	2	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	2	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	4	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	4	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	4	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	6	0.99
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	6	0.99
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	6	0.99
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	9	0.99
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	9	0.99
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	9	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	12	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	12	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	12	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	15	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	15	0.99
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	15	0.99
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	1	0.99
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	3	0.99
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	5	0.99
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	10	0.99
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	14	0.99
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	17	0.99
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	18	0.99
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB1	10	0.99
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB2	10	0.99
(1,479)	1:48:A:LEU:H	1:55:A:ALA:HB3	10	0.99
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	5	0.99
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	5	0.99
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	5	0.99
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	9	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	2	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	2	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	2	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	7	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	7	0.98
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	7	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	7	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	7	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	7	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	13	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	13	0.98
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	13	0.98
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	8	0.98
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	8	0.98
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	8	0.98
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	11	0.98
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	11	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	6	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	6	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	6	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	7	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	7	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	7	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	11	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	11	0.98
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	11	0.98
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	11	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	1	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	1	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	1	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	3	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	3	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	3	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	4	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	4	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	4	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	5	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	5	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	5	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	6	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	6	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	6	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	7	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	7	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	7	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	8	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	8	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	8	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	13	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	13	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	13	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	14	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	14	0.98
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	14	0.98
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	20	0.98
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	8	0.98
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	8	0.98
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	9	0.98
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	12	0.98
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	13	0.98
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	18	0.98
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	2	0.98
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	9	0.98
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	9	0.98
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	9	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	3	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	3	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	3	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	12	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	12	0.98
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	12	0.98
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	2	0.97
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	2	0.97
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	6	0.97
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	6	0.97
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	6	0.97
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	6	0.97
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	6	0.97
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	6	0.97
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	6	0.97
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	6	0.97
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	6	0.97
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	6	0.97
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	6	0.97
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	6	0.97
(1,1426)	1:8:A:LYS:HB3	1:73:A:MET:HG3	17	0.97
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG21	16	0.97
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG22	16	0.97
(1,1107)	1:7:A:VAL:HB	1:36:A:THR:HG23	16	0.97
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	17	0.97
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	18	0.97
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD11	9	0.97
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD12	9	0.97
(1,1076)	1:33:A:LYS:HD2	1:39:A:LEU:HD13	9	0.97
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	8	0.97
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	17	0.97
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	17	0.97
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	17	0.97
(1,917)	1:3:A:LEU:HB3	1:20:A:SER:HA	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	17	0.97
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	17	0.97
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	17	0.97
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	16	0.97
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	16	0.97
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	16	0.97
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	8	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	10	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	10	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	10	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	11	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	11	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	11	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	16	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	16	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	16	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	17	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	17	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	17	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	18	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	18	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	18	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	19	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	19	0.97
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	19	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	2	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	4	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	7	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	15	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	16	0.97
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	17	0.97
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	2	0.97
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	2	0.97
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	2	0.97
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	18	0.96
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	18	0.96
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	6	0.96
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	17	0.96
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	17	0.96
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	17	0.96
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	14	0.96
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	14	0.96
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG11	14	0.96
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG12	14	0.96
(1,881)	1:4:A:PRO:HB2	1:16:A:VAL:HG13	14	0.96
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	20	0.96
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG21	9	0.96
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG22	9	0.96
(1,725)	1:32:A:LEU:H	1:36:A:THR:HG23	9	0.96
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	6	0.96
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	7	0.96
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	20	0.96
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	20	0.96
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	20	0.96
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	8	0.96
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	19	0.96
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	20	0.96
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	16	0.96
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	14	0.95
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	14	0.95
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	14	0.95
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	14	0.95
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	14	0.95
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	14	0.95
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	10	0.95
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	10	0.95
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	10	0.95
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	10	0.95
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	10	0.95
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	10	0.95
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	16	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	4	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	4	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	4	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	7	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	7	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	7	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	12	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	12	0.95
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	12	0.95
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	19	0.95
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	19	0.95
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	1	0.95
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	8	0.95
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	12	0.95
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	14	0.95
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	15	0.95
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	13	0.95
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	13	0.95
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	13	0.95
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	20	0.95
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	16	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	10	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	10	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	10	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	15	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	15	0.95
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	15	0.95
(1,1769)	1:50:A:VAL:HG11	1:55:A:ALA:H	8	0.94
(1,1769)	1:50:A:VAL:HG12	1:55:A:ALA:H	8	0.94
(1,1769)	1:50:A:VAL:HG13	1:55:A:ALA:H	8	0.94
(1,1769)	1:50:A:VAL:HG21	1:55:A:ALA:H	8	0.94
(1,1769)	1:50:A:VAL:HG22	1:55:A:ALA:H	8	0.94
(1,1769)	1:50:A:VAL:HG23	1:55:A:ALA:H	8	0.94
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	20	0.94
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	20	0.94
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	20	0.94
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	20	0.94
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	20	0.94
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	20	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	3	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	3	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	3	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	14	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	14	0.94
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	14	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	2	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	3	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	4	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	5	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	9	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	10	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	11	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	17	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	18	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	19	0.94
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	20	0.94
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	2	0.94
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	4	0.94
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	16	0.94
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	17	0.94
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	20	0.94
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	14	0.94
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	15	0.94
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	4	0.94
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	7	0.94
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	9	0.94
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	9	0.94
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	9	0.94
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG21	10	0.93
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG22	10	0.93
(1,1718)	1:43:A:GLN:HG2	1:77:A:THR:HG23	10	0.93
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG21	10	0.93
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG22	10	0.93
(1,1718)	1:43:A:GLN:HG3	1:77:A:THR:HG23	10	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	20	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	20	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	20	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	20	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	20	0.93
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	20	0.93
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	15	0.93
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	5	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	1	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	1	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	1	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	6	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	6	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	6	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	19	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	19	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	19	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	20	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	20	0.93
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	20	0.93
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	10	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	10	0.93
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	10	0.93
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	6	0.93
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	7	0.93
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	13	0.93
(1,828)	1:8:A:LYS:HB3	1:9:A:TRP:HA	16	0.93
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	16	0.93
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	12	0.93
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	12	0.93
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	12	0.93
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	10	0.93
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	12	0.93
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	15	0.93
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	1	0.93
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	9	0.93
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	10	0.93
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	11	0.93
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	12	0.93
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	18	0.93
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	8	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	6	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	6	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	6	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	18	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	18	0.93
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	18	0.93
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	18	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	18	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	18	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	18	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	18	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	18	0.92
(1,1540)	1:7:A:VAL:HG11	1:74:A:MET:HA	11	0.92
(1,1540)	1:7:A:VAL:HG12	1:74:A:MET:HA	11	0.92
(1,1540)	1:7:A:VAL:HG13	1:74:A:MET:HA	11	0.92
(1,1540)	1:7:A:VAL:HG21	1:74:A:MET:HA	11	0.92
(1,1540)	1:7:A:VAL:HG22	1:74:A:MET:HA	11	0.92
(1,1540)	1:7:A:VAL:HG23	1:74:A:MET:HA	11	0.92
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	8	0.92
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	8	0.92
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	8	0.92
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	8	0.92
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	8	0.92
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	17	0.92
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	2	0.92
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	2	0.92
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	2	0.92
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	5	0.92
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	10	0.92
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	11	0.92
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	11	0.92
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	11	0.92
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	8	0.92
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	13	0.92
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	14	0.92
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	19	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	2	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	3	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	5	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	12	0.92
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	18	0.92
(1,584)	1:65:A:LYS:HB3	1:66:A:LEU:H	6	0.92
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	11	0.92
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	11	0.92
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	11	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	7	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	7	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	7	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	8	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	8	0.92
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	8	0.92
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	14	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	20	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	20	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	20	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	20	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	20	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	4	0.91
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	4	0.91
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	17	0.91
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	17	0.91
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	19	0.91
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	15	0.91
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	2	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	2	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	2	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	2	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	20	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	20	0.91
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	20	0.91
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	11	0.91
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	16	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	10	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	10	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	10	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	15	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	15	0.91
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	15	0.91
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	19	0.91
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	12	0.91
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	12	0.91
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	12	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	1	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	3	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	4	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	9	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	12	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	13	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	16	0.91
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	18	0.91
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	11	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	4	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	6	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	7	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	11	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	13	0.91
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	16	0.91
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	14	0.91
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	2	0.91
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	15	0.91
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	15	0.91
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	19	0.91
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	19	0.91
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	13	0.91
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	13	0.91
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	13	0.91
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	1	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	3	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	15	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	15	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	15	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	15	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	15	0.9
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	15	0.9
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	1	0.9
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	10	0.9
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	13	0.9
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	13	0.9
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	13	0.9
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	15	0.9
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	7	0.9
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	19	0.9
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	3	0.9
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	18	0.9
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	18	0.9
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	18	0.9
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	18	0.9
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	20	0.9
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	20	0.9
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	20	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	14	0.9
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	15	0.9
(1,919)	1:19:A:LEU:HG	1:20:A:SER:HA	20	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	7	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	11	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	14	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	17	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	19	0.9
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	20	0.9
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	19	0.9
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	1	0.9
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	8	0.9
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	6	0.9
(1,518)	1:26:A:LEU:HB2	1:57:A:ASN:H	15	0.9
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	4	0.9
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	4	0.9
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	6	0.9
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	6	0.9
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	7	0.9
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	7	0.9
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	17	0.9
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	17	0.9
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	1	0.9
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	3	0.9
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	5	0.9
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	10	0.9
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	13	0.9
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	13	0.9
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	13	0.9
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	4	0.89
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	4	0.89
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	4	0.89
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	4	0.89
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	4	0.89
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	4	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	3	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	4	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	5	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	9	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	14	0.89
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	20	0.89
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	2	0.89
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	5	0.89
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	6	0.89
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	19	0.89
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	13	0.89
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	13	0.89
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	13	0.89
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	3	0.89
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	3	0.89
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	3	0.89
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	6	0.89
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	12	0.89
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	5	0.89
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	18	0.89
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	3	0.89
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	9	0.89
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	10	0.89
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	16	0.89
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	16	0.89
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	18	0.89
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	4	0.89
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	4	0.89
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	11	0.89
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	11	0.89
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	11	0.89
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	5	0.88
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	5	0.88
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	5	0.88
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	5	0.88
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	5	0.88
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	5	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	11	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	11	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	11	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	11	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	11	0.88
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	11	0.88
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	2	0.88
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	2	0.88
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	2	0.88
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	2	0.88
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	2	0.88
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	2	0.88
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	12	0.88
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	13	0.88
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	20	0.88
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	20	0.88
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	20	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	3	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	3	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	3	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	10	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	10	0.88
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	10	0.88
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	18	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	6	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	6	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	6	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	8	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	8	0.88
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	8	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	7	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	9	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	10	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	13	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	15	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	17	0.88
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	20	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	9	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	9	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	9	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	16	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	16	0.88
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	16	0.88
(1,1007)	1:39:A:LEU:HG	1:42:A:ARG:HG3	14	0.88
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	9	0.88
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	9	0.88
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	9	0.88
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	10	0.88
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	13	0.88
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	2	0.88
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	4	0.88
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	5	0.88
(1,581)	1:63:A:ALA:H	1:66:A:LEU:H	13	0.88
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	8	0.88
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	8	0.88
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	12	0.88
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	15	0.87
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	15	0.87
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	15	0.87
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	15	0.87
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	15	0.87
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	15	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	13	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	13	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	13	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	13	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	13	0.87
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	13	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	6	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	16	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	16	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	16	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	16	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	16	0.87
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	16	0.87
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	12	0.87
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	18	0.87
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	18	0.87
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	18	0.87
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	18	0.87
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	18	0.87
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	18	0.87
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	7	0.87
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	11	0.87
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	15	0.87
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	16	0.87
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	18	0.87
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	5	0.87
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	5	0.87
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	5	0.87
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	8	0.87
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	11	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	1	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	1	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	1	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	7	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	7	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	7	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	12	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	12	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	12	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	13	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	13	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	13	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	14	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	14	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	14	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	15	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	15	0.87
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	15	0.87
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	4	0.87
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	8	0.87
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	12	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	5	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	5	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	5	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD11	11	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD12	11	0.87
(1,1073)	1:33:A:LYS:HD3	1:39:A:LEU:HD13	11	0.87
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	8	0.87
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	13	0.87
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	13	0.87
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	13	0.87
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	20	0.87
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	20	0.87
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	20	0.87
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	8	0.87
(1,841)	1:67:A:LYS:HA	1:70:A:THR:HB	15	0.87
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	2	0.87
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	19	0.87
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	1	0.87
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	3	0.87
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	10	0.87
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	13	0.87
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	18	0.87
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	5	0.87
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	5	0.87
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	14	0.87
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	14	0.87
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	20	0.87
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	14	0.87
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	5	0.87
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	5	0.87
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	11	0.87
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	11	0.87
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	2	0.86
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	2	0.86
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	2	0.86
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	2	0.86
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	2	0.86
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	2	0.86
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	9	0.86
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	9	0.86
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	9	0.86
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	9	0.86
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	9	0.86
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	9	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	2	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	19	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	19	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	19	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	19	0.86
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	19	0.86
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	3	0.86
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	3	0.86
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	3	0.86
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	3	0.86
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	3	0.86
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	3	0.86
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	8	0.86
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	6	0.86
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	7	0.86
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	1	0.86
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	1	0.86
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	1	0.86
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	16	0.86
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	17	0.86
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	9	0.86
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	13	0.86
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	14	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	3	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	3	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	3	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	4	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	4	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	4	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	5	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	5	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	5	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	11	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	11	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	11	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	16	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	16	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	16	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	17	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	17	0.86
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	17	0.86
(1,1103)	1:9:A:TRP:HB3	1:36:A:THR:HA	8	0.86
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	1	0.86
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:33:A:LYS:HG3	1:34:A:THR:HB	14	0.86
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	1	0.86
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	3	0.86
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	14	0.86
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	14	0.86
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	14	0.86
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	19	0.86
(1,815)	1:55:A:ALA:HB1	1:65:A:LYS:HD3	6	0.86
(1,815)	1:55:A:ALA:HB2	1:65:A:LYS:HD3	6	0.86
(1,815)	1:55:A:ALA:HB3	1:65:A:LYS:HD3	6	0.86
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	3	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	2	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	5	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	8	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	9	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	15	0.86
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	16	0.86
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	1	0.86
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	1	0.86
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	9	0.86
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	9	0.86
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	13	0.86
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	13	0.86
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	14	0.86
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	14	0.86
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	15	0.86
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	15	0.86
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	1	0.86
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	1	0.86
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	17	0.86
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	17	0.86
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	17	0.86
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	16	0.86
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	18	0.86
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	19	0.85
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	19	0.85
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	19	0.85
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	19	0.85
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	19	0.85
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	19	0.85
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	8	0.85
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG2	10	0.85
(1,1681)	1:38:A:VAL:H	1:78:A:ARG:HG3	10	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	17	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	17	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	17	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	17	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	17	0.85
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	17	0.85
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	17	0.85
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	4	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	18	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	18	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	18	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	19	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	19	0.85
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	19	0.85
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	7	0.85
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	12	0.85
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	1	0.85
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	1	0.85
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	1	0.85
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	5	0.85
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	12	0.85
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	18	0.85
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	4	0.85
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	16	0.85
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	18	0.85
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	11	0.85
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	11	0.85
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	11	0.85
(1,622)	1:72:A:ILE:H	1:72:A:ILE:HG13	9	0.85
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	6	0.85
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	12	0.85
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	14	0.85
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	19	0.85
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	20	0.85
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	3	0.85
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	3	0.85
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	10	0.85
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	10	0.85
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	20	0.85
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	13	0.85
(1,345)	1:19:A:LEU:HB2	1:20:A:SER:H	20	0.85
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	10	0.85
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	10	0.85
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	15	0.85
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	15	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	5	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	6	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	7	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	11	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	15	0.85
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	17	0.85
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	4	0.84
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	4	0.84
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	4	0.84
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	4	0.84
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	4	0.84
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	4	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD11	15	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD12	15	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD13	15	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD21	15	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD22	15	0.84
(1,1653)	1:29:A:LYS:HA	1:61:A:LEU:HD23	15	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	7	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	7	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	7	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	7	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	7	0.84
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	7	0.84
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	5	0.84
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	5	0.84
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	5	0.84
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	5	0.84
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	5	0.84
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	5	0.84
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	2	0.84
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	4	0.84
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	16	0.84
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	9	0.84
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	9	0.84
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG21	10	0.84
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG22	10	0.84
(1,1108)	1:32:A:LEU:HG	1:36:A:THR:HG23	10	0.84
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	4	0.84
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	1	0.84
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	15	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	16	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	16	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	16	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	17	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	17	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	17	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	19	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	19	0.84
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	19	0.84
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	4	0.84
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	7	0.84
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	11	0.84
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	11	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	2	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	2	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	3	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	3	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	6	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	6	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	7	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	7	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	12	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	12	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	16	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	16	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	19	0.84
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	19	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	1	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	2	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	4	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	8	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	9	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	10	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	12	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	13	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	19	0.84
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	20	0.84
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	8	0.84
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	17	0.84
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	8	0.83
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	8	0.83
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	8	0.83
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	8	0.83
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	8	0.83
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	8	0.83
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	8	0.83
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	1	0.83
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	3	0.83
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	3	0.83
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	3	0.83
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	3	0.83
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	3	0.83
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	3	0.83
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	10	0.83
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	15	0.83
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	19	0.83
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	8	0.83
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	17	0.83
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	6	0.83
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	10	0.83
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	1	0.83
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	14	0.83
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	17	0.83
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	15	0.83
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	15	0.83
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	15	0.83
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	17	0.83
(1,547)	1:24:A:THR:H	1:61:A:LEU:H	17	0.83
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	18	0.83
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	18	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	1	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	2	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	5	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	6	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	7	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	10	0.83
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	12	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	8	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	8	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	14	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	14	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	18	0.83
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	18	0.83
(1,329)	1:2:A:ALA:HA	1:19:A:LEU:H	19	0.83
(1,150)	1:33:A:LYS:HG3	1:34:A:THR:H	3	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	1	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	4	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	5	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	6	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	7	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	11	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	15	0.83
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	16	0.83
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	19	0.82
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	19	0.82
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	19	0.82
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	19	0.82
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	19	0.82
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	19	0.82
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	9	0.82
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	9	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	15	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	15	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	15	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	15	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	15	0.82
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	15	0.82
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	13	0.82
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	13	0.82
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	13	0.82
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	13	0.82
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	13	0.82
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	14	0.82
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	14	0.82
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	14	0.82
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	14	0.82
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	14	0.82
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	14	0.82
(1,1480)	1:49:A:LYS:HD2	1:54:A:PRO:HD3	8	0.82
(1,1480)	1:49:A:LYS:HD3	1:54:A:PRO:HD3	8	0.82
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	8	0.82
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	13	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	12	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	12	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	12	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	18	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	18	0.82
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	18	0.82
(1,1227)	1:49:A:LYS:HD2	1:54:A:PRO:HD2	8	0.82
(1,1227)	1:49:A:LYS:HD3	1:54:A:PRO:HD2	8	0.82
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	3	0.82
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	6	0.82
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	18	0.82
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	20	0.82
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	8	0.82
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	9	0.82
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	9	0.82
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	9	0.82
(1,597)	1:4:A:PRO:HG2	1:69:A:ASN:H	17	0.82
(1,585)	1:5:A:ILE:HD11	1:66:A:LEU:H	15	0.82
(1,585)	1:5:A:ILE:HD12	1:66:A:LEU:H	15	0.82
(1,585)	1:5:A:ILE:HD13	1:66:A:LEU:H	15	0.82
(1,507)	1:53:A:LYS:HB2	1:56:A:GLU:H	12	0.82
(1,507)	1:53:A:LYS:HB3	1:56:A:GLU:H	12	0.82
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	3	0.82
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	3	0.82
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	8	0.82
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	16	0.82
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB2	20	0.82
(1,330)	1:19:A:LEU:H	1:23:A:ASP:HB3	20	0.82
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	14	0.82
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	14	0.82
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	14	0.82
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	3	0.82
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	10	0.82
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	18	0.82
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	4	0.81
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	16	0.81
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	16	0.81
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	16	0.81
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	16	0.81
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	16	0.81
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	16	0.81
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	10	0.81
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	10	0.81
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	10	0.81
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	10	0.81
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	10	0.81
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	10	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	4	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	9	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	9	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	9	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	9	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	9	0.81
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	9	0.81
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	3	0.81
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	3	0.81
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	15	0.81
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	15	0.81
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	15	0.81
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	15	0.81
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	15	0.81
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	17	0.81
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	17	0.81
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	17	0.81
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	17	0.81
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	17	0.81
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	17	0.81
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	11	0.81
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	19	0.81
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	18	0.81
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	18	0.81
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	18	0.81
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	2	0.81
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	2	0.81
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	2	0.81
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	5	0.81
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	10	0.81
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	3	0.81
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	9	0.81
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	2	0.8
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	2	0.8
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	2	0.8
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	2	0.8
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	2	0.8
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	2	0.8
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	3	0.8
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	9	0.8
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	9	0.8
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	9	0.8
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	9	0.8
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	9	0.8
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	9	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	12	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	12	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	12	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	12	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	12	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	19	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	19	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	19	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	19	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	19	0.8
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	19	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	9	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	9	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	9	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	9	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	9	0.8
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	9	0.8
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	1	0.8
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	1	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	14	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	14	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	14	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	14	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	14	0.8
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	14	0.8
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	4	0.8
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	9	0.8
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	12	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	12	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	12	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	12	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	12	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	19	0.8
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	20	0.8
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	20	0.8
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	20	0.8
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	20	0.8
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	20	0.8
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	20	0.8
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	12	0.8
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	13	0.8
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	13	0.8
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	13	0.8
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	18	0.8
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	2	0.8
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	15	0.8
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	14	0.8
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	20	0.8
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	11	0.8
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD11	19	0.8
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD12	19	0.8
(1,714)	1:66:A:LEU:H	1:66:A:LEU:HD13	19	0.8
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	13	0.8
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	13	0.8
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	13	0.8
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	11	0.8
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	15	0.8
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	18	0.8
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	3	0.8
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	2	0.8
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	7	0.8
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	10	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	2	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	13	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	14	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	19	0.8
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	20	0.8
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	17	0.79
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	17	0.79
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	17	0.79
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	17	0.79
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	17	0.79
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	1	0.79
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	12	0.79
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	13	0.79
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	13	0.79
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	13	0.79
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	13	0.79
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	13	0.79
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	13	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	7	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	7	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	7	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	7	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	7	0.79
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	7	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	20	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	20	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	20	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	20	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	20	0.79
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	20	0.79
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	6	0.79
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	8	0.79
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	8	0.79
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	8	0.79
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	8	0.79
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	8	0.79
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	10	0.79
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	11	0.79
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	18	0.79
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	18	0.79
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	18	0.79
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	18	0.79
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	18	0.79
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	18	0.79
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	5	0.79
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	5	0.79
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	5	0.79
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	5	0.79
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	5	0.79
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	5	0.79
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	19	0.79
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	7	0.79
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	11	0.79
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	9	0.79
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	10	0.79
(1,988)	1:26:A:LEU:HD11	1:58:A:ASP:HA	5	0.79
(1,988)	1:26:A:LEU:HD12	1:58:A:ASP:HA	5	0.79
(1,988)	1:26:A:LEU:HD13	1:58:A:ASP:HA	5	0.79
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	15	0.79
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	7	0.79
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	15	0.79
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	6	0.79
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	6	0.79
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	14	0.79
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	14	0.79
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	14	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	2	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	4	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	6	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	7	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	8	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	11	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	15	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	16	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	17	0.79
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	19	0.79
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	2	0.79
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	14	0.79
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	19	0.79
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	20	0.79
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	18	0.79
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	4	0.79
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	8	0.79
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	13	0.79
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	15	0.79
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	19	0.79
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	5	0.79
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	15	0.79
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	16	0.79
(1,33)	1:66:A:LEU:HB2	1:67:A:LYS:H	12	0.79
(1,1847)	1:64:A:LEU:HD11	1:65:A:LYS:HG2	7	0.78
(1,1847)	1:64:A:LEU:HD12	1:65:A:LYS:HG2	7	0.78
(1,1847)	1:64:A:LEU:HD13	1:65:A:LYS:HG2	7	0.78
(1,1847)	1:64:A:LEU:HD21	1:65:A:LYS:HG2	7	0.78
(1,1847)	1:64:A:LEU:HD22	1:65:A:LYS:HG2	7	0.78
(1,1847)	1:64:A:LEU:HD23	1:65:A:LYS:HG2	7	0.78
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	4	0.78
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	4	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	13	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	13	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	13	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	13	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	13	0.78
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	13	0.78
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	11	0.78
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	2	0.78
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	2	0.78
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	2	0.78
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	2	0.78
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	2	0.78
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	2	0.78
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	19	0.78
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	19	0.78
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	19	0.78
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	19	0.78
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	19	0.78
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	19	0.78
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	19	0.78
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	19	0.78
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	19	0.78
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	1	0.78
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	5	0.78
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	14	0.78
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	18	0.78
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	20	0.78
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	9	0.78
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	9	0.78
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	9	0.78
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG21	10	0.78
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG22	10	0.78
(1,1172)	1:43:A:GLN:HG2	1:77:A:THR:HG23	10	0.78
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	12	0.78
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	18	0.78
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	6	0.78
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	7	0.78
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	10	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	4	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	4	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	4	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	7	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	7	0.78
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	7	0.78
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	3	0.78
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	3	0.78
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	3	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	3	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	5	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	9	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	10	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	13	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	14	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	18	0.78
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	20	0.78
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	12	0.78
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	1	0.78
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	4	0.78
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	4	0.78
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	9	0.78
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	19	0.78
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	5	0.78
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	12	0.78
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	14	0.78
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	16	0.78
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG11	20	0.78
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG12	20	0.78
(1,218)	1:3:A:LEU:H	1:16:A:VAL:HG13	20	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	2	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	6	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	7	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	9	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	10	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	11	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	12	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	13	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	17	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	18	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	19	0.78
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	20	0.78
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	6	0.77
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	6	0.77
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	6	0.77
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	6	0.77
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	6	0.77
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	6	0.77
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	17	0.77
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	17	0.77
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	17	0.77
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	17	0.77
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	17	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	11	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	16	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	16	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	16	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	16	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	16	0.77
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	16	0.77
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	5	0.77
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	5	0.77
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	5	0.77
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	5	0.77
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	5	0.77
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	5	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	15	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	15	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	15	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	15	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	15	0.77
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	15	0.77
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	7	0.77
(1,1536)	1:7:A:VAL:HG11	1:36:A:THR:HB	16	0.77
(1,1536)	1:7:A:VAL:HG12	1:36:A:THR:HB	16	0.77
(1,1536)	1:7:A:VAL:HG13	1:36:A:THR:HB	16	0.77
(1,1536)	1:7:A:VAL:HG21	1:36:A:THR:HB	16	0.77
(1,1536)	1:7:A:VAL:HG22	1:36:A:THR:HB	16	0.77
(1,1536)	1:7:A:VAL:HG23	1:36:A:THR:HB	16	0.77
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	4	0.77
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	6	0.77
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	13	0.77
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	1	0.77
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	4	0.77
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	5	0.77
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	14	0.77
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	13	0.77
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	4	0.77
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	5	0.77
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	5	0.77
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	5	0.77
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	10	0.77
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	10	0.77
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	10	0.77
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	12	0.77
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	12	0.77
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	12	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	1	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	1	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	1	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	13	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	13	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	13	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	20	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	20	0.77
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	20	0.77
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	4	0.77
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	4	0.77
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	4	0.77
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	1	0.77
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	1	0.77
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	1	0.77
(1,496)	1:54:A:PRO:HA	1:55:A:ALA:H	12	0.77
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	3	0.77
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	3	0.77
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	3	0.77
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	7	0.77
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	8	0.77
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	12	0.77
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	13	0.77
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	16	0.77
(1,350)	1:3:A:LEU:HA	1:21:A:GLU:H	17	0.77
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	1	0.77
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	3	0.77
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	4	0.77
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	8	0.77
(1,163)	1:33:A:LYS:HD2	1:35:A:LEU:H	14	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	3	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	6	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	7	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	9	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	10	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	13	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	14	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	16	0.77
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	20	0.77
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	8	0.76
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	8	0.76
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	8	0.76
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	8	0.76
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	8	0.76
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	8	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	2	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	6	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	6	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	6	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	6	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	6	0.76
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	6	0.76
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	8	0.76
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	8	0.76
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	8	0.76
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	18	0.76
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	18	0.76
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	18	0.76
(1,1249)	1:50:A:VAL:HB	1:55:A:ALA:HA	1	0.76
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	4	0.76
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	10	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	6	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	7	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	8	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	9	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	13	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	15	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	16	0.76
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	20	0.76
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	5	0.76
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	16	0.76
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	1	0.76
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	1	0.76
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	1	0.76
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	3	0.76
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	3	0.76
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	3	0.76
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	8	0.76
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	8	0.76
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	8	0.76
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	2	0.76
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	2	0.76
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	2	0.76
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	6	0.76
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	6	0.76
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	6	0.76
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	5	0.76
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	5	0.76
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	5	0.76
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	10	0.76
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	10	0.76
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	10	0.76
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	15	0.76
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	17	0.76
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	20	0.76
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	11	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	1	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	2	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	4	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	8	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	11	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	12	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	17	0.76
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	19	0.76
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	5	0.75
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	18	0.75
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	18	0.75
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	18	0.75
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	18	0.75
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	18	0.75
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	18	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	2	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	2	0.75
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	2	0.75
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	2	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	1	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	3	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	3	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	3	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	3	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	3	0.75
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	3	0.75
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	3	0.75
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	14	0.75
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	14	0.75
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	14	0.75
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	16	0.75
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	20	0.75
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	11	0.75
(1,1066)	1:33:A:LYS:HG3	1:37:A:GLY:HA2	11	0.75
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	18	0.75
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	15	0.75
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	15	0.75
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	15	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	5	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	5	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	5	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	12	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	12	0.75
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	12	0.75
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	8	0.75
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	8	0.75
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	8	0.75
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	11	0.75
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	11	0.75
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	18	0.75
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	18	0.75
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	18	0.75
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	1	0.75
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	9	0.75
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	14	0.75
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	9	0.75
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	3	0.75
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	6	0.75
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	5	0.75
(1,158)	1:35:A:LEU:H	1:37:A:GLY:HA2	18	0.75
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	15	0.74
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	15	0.74
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	15	0.74
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	15	0.74
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	15	0.74
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	15	0.74
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	9	0.74
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	9	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	5	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	10	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	10	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	10	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	10	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	10	0.74
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	10	0.74
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	2	0.74
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	2	0.74
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	2	0.74
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	2	0.74
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	2	0.74
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	2	0.74
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	2	0.74
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	2	0.74
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	1	0.74
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	1	0.74
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	1	0.74
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	3	0.74
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	3	0.74
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	3	0.74
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	15	0.74
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	15	0.74
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	15	0.74
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	1	0.74
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	9	0.74
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	20	0.74
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	7	0.74
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	8	0.74
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	7	0.74
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	16	0.74
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	5	0.74
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	17	0.74
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	19	0.74
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	9	0.74
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	9	0.74
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	14	0.74
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	17	0.74
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	19	0.74
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	10	0.74
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	10	0.74
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	10	0.74
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	12	0.74
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	12	0.74
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	12	0.74
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	17	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	10	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	10	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	10	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	15	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	15	0.74
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	15	0.74
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	13	0.74
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	13	0.74
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	13	0.74
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	4	0.74
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	11	0.74
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	20	0.73
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	20	0.73
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	20	0.73
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	20	0.73
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	20	0.73
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	20	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	11	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	11	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	11	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	11	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	11	0.73
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	11	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	8	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	8	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	8	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	8	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	8	0.73
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	8	0.73
(1,1469)	1:4:A:PRO:HB2	1:69:A:ASN:HA	17	0.73
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	4	0.73
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	4	0.73
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	4	0.73
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	5	0.73
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	5	0.73
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	5	0.73
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	6	0.73
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	6	0.73
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	6	0.73
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	7	0.73
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	7	0.73
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	7	0.73
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	11	0.73
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	11	0.73
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	11	0.73
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	5	0.73
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	10	0.73
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	2	0.73
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	1	0.73
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	3	0.73
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	10	0.73
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	13	0.73
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	1	0.73
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	1	0.73
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	1	0.73
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	18	0.73
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	18	0.73
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	18	0.73
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	13	0.73
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	13	0.73
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	13	0.73
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	17	0.73
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	17	0.73
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	17	0.73
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	20	0.73
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	20	0.73
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	20	0.73
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	3	0.73
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	3	0.73
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	3	0.73
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	12	0.73
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	2	0.73
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	2	0.73
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	2	0.73
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	9	0.73
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	9	0.73
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	9	0.73
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	18	0.73
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	18	0.73
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	18	0.73
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	5	0.73
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	5	0.73
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	5	0.73
(1,468)	1:46:A:LEU:H	1:73:A:MET:H	6	0.73
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	5	0.73
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	18	0.73
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	18	0.73
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	11	0.72
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	11	0.72
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	11	0.72
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	11	0.72
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	11	0.72
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	14	0.72
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	14	0.72
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	14	0.72
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	14	0.72
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	14	0.72
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	14	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	2	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	6	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	16	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	16	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	16	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	16	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	16	0.72
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	16	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	10	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD11	17	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD12	17	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD13	17	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD21	17	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD22	17	0.72
(1,1658)	1:29:A:LYS:HE2	1:45:A:LEU:HD23	17	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	12	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	12	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	12	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	12	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	12	0.72
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	1	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	3	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	10	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	10	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	10	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	10	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	10	0.72
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	10	0.72
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	10	0.72
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	10	0.72
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	10	0.72
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	10	0.72
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	10	0.72
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	10	0.72
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	12	0.72
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	12	0.72
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	12	0.72
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	12	0.72
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	12	0.72
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	12	0.72
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	16	0.72
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	16	0.72
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	16	0.72
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	17	0.72
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	17	0.72
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	17	0.72
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	4	0.72
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	17	0.72
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	19	0.72
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	4	0.72
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	16	0.72
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	16	0.72
(1,1125)	1:33:A:LYS:HB2	1:38:A:VAL:HB	10	0.72
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	5	0.72
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	6	0.72
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	16	0.72
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	3	0.72
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	3	0.72
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	3	0.72
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	5	0.72
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	5	0.72
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	5	0.72
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	13	0.72
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	13	0.72
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	13	0.72
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	2	0.72
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	2	0.72
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	2	0.72
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	4	0.72
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	4	0.72
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	4	0.72
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	9	0.72
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	9	0.72
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	9	0.72
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	5	0.72
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	10	0.72
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	11	0.72
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	7	0.72
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	7	0.72
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	7	0.72
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	16	0.72
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	16	0.72
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	16	0.72
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	17	0.72
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	17	0.72
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	17	0.72
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	4	0.72
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	4	0.72
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	4	0.72
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	11	0.72
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	11	0.72
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	11	0.72
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	12	0.72
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	12	0.72
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	7	0.72
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	11	0.72
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	1	0.72
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	1	0.72
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	1	0.72
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	10	0.72
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	20	0.72
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	16	0.71
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	16	0.71
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	16	0.71
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	16	0.71
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	16	0.71
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	16	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	19	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	19	0.71
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	19	0.71
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	19	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	4	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	7	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	7	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	7	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	7	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	7	0.71
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	7	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	18	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	18	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	18	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	18	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	18	0.71
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	5	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	6	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	12	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	12	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	12	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	12	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	12	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	13	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	18	0.71
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	18	0.71
(1,1367)	1:71:A:LYS:HA	1:72:A:ILE:HG13	9	0.71
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	2	0.71
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	7	0.71
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	8	0.71
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	11	0.71
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	11	0.71
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	16	0.71
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	4	0.71
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	9	0.71
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	13	0.71
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	8	0.71
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	8	0.71
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	8	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	6	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	6	0.71
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	6	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	7	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	7	0.71
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	7	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	11	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	11	0.71
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	11	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	14	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	14	0.71
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	14	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	16	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	16	0.71
(1,875)	1:16:A:VAL:HG21	1:17:A:THR:HA	19	0.71
(1,875)	1:16:A:VAL:HG22	1:17:A:THR:HA	19	0.71
(1,875)	1:16:A:VAL:HG23	1:17:A:THR:HA	19	0.71
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	4	0.71
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	5	0.71
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	8	0.71
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	15	0.71
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	9	0.71
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	9	0.71
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	9	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	1	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	2	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	3	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	4	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	5	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	6	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	8	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	9	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	12	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	13	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	15	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	16	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	17	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	18	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	19	0.71
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	20	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	7	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	7	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	7	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	14	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	14	0.71
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	14	0.71
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	5	0.71
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	6	0.71
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	19	0.71
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	10	0.71
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	14	0.71
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	15	0.71
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	13	0.71
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	17	0.71
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	2	0.7
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	2	0.7
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	2	0.7
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	2	0.7
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	2	0.7
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	7	0.7
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	8	0.7
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	8	0.7
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	8	0.7
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	8	0.7
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	8	0.7
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	8	0.7
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	6	0.7
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	6	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	19	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	19	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	19	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	19	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	19	0.7
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	19	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	7	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	8	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	16	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	16	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	16	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	16	0.7
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	16	0.7
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	16	0.7
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	2	0.7
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	3	0.7
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	19	0.7
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	14	0.7
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	14	0.7
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	14	0.7
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	7	0.7
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	11	0.7
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	1	0.7
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	10	0.7
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	12	0.7
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	16	0.7
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	18	0.7
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	2	0.7
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	2	0.7
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	2	0.7
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	7	0.7
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	7	0.7
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	7	0.7
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	11	0.7
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	11	0.7
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	11	0.7
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	13	0.7
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	14	0.7
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	7	0.7
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	16	0.7
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	2	0.7
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	16	0.7
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	12	0.7
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	12	0.7
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	12	0.7
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	6	0.7
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	6	0.7
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	6	0.7
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	16	0.7
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	16	0.7
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	16	0.7
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	6	0.7
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	10	0.7
(1,519)	1:56:A:GLU:HA	1:57:A:ASN:H	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	19	0.7
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	19	0.7
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	19	0.7
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	2	0.7
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	17	0.7
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	20	0.7
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	7	0.7
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	17	0.69
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	17	0.69
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	17	0.69
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	17	0.69
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	17	0.69
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	17	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	17	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	17	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	17	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	17	0.69
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	17	0.69
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	17	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	2	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	4	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	11	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	11	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	11	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	11	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	11	0.69
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	11	0.69
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	3	0.69
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	3	0.69
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	3	0.69
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	3	0.69
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	3	0.69
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	3	0.69
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	4	0.69
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	4	0.69
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	4	0.69
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	4	0.69
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	4	0.69
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	4	0.69
(1,1362)	1:66:A:LEU:HD11	1:70:A:THR:HA	10	0.69
(1,1362)	1:66:A:LEU:HD12	1:70:A:THR:HA	10	0.69
(1,1362)	1:66:A:LEU:HD13	1:70:A:THR:HA	10	0.69
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	6	0.69
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	6	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	6	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	6	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	6	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	6	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	6	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	6	0.69
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	11	0.69
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	11	0.69
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	11	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	11	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	11	0.69
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	11	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	11	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	11	0.69
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	11	0.69
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	2	0.69
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	17	0.69
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	19	0.69
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	18	0.69
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	18	0.69
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	2	0.69
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	2	0.69
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	2	0.69
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	7	0.69
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	7	0.69
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	7	0.69
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	19	0.69
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	19	0.69
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	19	0.69
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	8	0.69
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	3	0.69
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	5	0.69
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	6	0.69
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	8	0.69
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	11	0.69
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	12	0.69
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	8	0.69
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	8	0.69
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	8	0.69
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	1	0.69
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	18	0.69
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	1	0.69
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	1	0.69
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	1	0.69
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	3	0.69
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	3	0.69
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	3	0.69
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	11	0.69
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	7	0.69
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	2	0.69
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	9	0.69
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	13	0.69
(1,261)	1:8:A:LYS:H	1:73:A:MET:HA	9	0.69
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	5	0.69
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	11	0.69
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	15	0.69
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	18	0.69
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	17	0.68
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	19	0.68
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	19	0.68
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	19	0.68
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	19	0.68
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	19	0.68
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	19	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	15	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	15	0.68
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	15	0.68
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	15	0.68
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	3	0.68
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	3	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	20	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	20	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	20	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	20	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	20	0.68
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	20	0.68
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	9	0.68
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	9	0.68
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	9	0.68
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	9	0.68
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	9	0.68
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	9	0.68
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	14	0.68
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	16	0.68
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	16	0.68
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	16	0.68
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	16	0.68
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	16	0.68
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	16	0.68
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	16	0.68
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	16	0.68
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	20	0.68
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	1	0.68
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	14	0.68
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	15	0.68
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	6	0.68
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	6	0.68
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	6	0.68
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	8	0.68
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	8	0.68
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	8	0.68
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	11	0.68
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	11	0.68
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	11	0.68
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	17	0.68
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	17	0.68
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	17	0.68
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	13	0.68
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	13	0.68
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	2	0.68
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	9	0.68
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	2	0.68
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	6	0.68
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	6	0.68
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	6	0.68
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	6	0.68
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	12	0.68
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	13	0.68
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	20	0.68
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	14	0.68
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	19	0.68
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	10	0.68
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	10	0.68
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	10	0.68
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	18	0.68
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	18	0.68
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	18	0.68
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	19	0.68
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	19	0.68
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	17	0.68
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	17	0.68
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	17	0.68
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	11	0.68
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	16	0.68
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	18	0.68
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	1	0.68
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	6	0.68
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	19	0.68
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	9	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	1	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	2	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	3	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	9	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	10	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	12	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	13	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	14	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	16	0.68
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	19	0.68
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	2	0.67
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	7	0.67
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	7	0.67
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	7	0.67
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	7	0.67
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	7	0.67
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	7	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD11	14	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD12	14	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD13	14	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD21	14	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD22	14	0.67
(1,1606)	1:23:A:ASP:H	1:28:A:LEU:HD23	14	0.67
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	9	0.67
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	9	0.67
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	9	0.67
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	9	0.67
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	9	0.67
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	1	0.67
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	1	0.67
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	1	0.67
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	1	0.67
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	1	0.67
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	1	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	12	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	12	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	12	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	12	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	12	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	12	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	12	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	12	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	12	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	13	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	13	0.67
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	13	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	13	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	13	0.67
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	13	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	13	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	13	0.67
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	13	0.67
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	18	0.67
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	4	0.67
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	4	0.67
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	4	0.67
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	4	0.67
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	4	0.67
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	4	0.67
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	4	0.67
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	4	0.67
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	4	0.67
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	12	0.67
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	18	0.67
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	6	0.67
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	11	0.67
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	15	0.67
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	17	0.67
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	19	0.67
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	8	0.67
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	18	0.67
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	16	0.67
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	16	0.67
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	16	0.67
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	4	0.67
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	4	0.67
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	17	0.67
(1,915)	1:3:A:LEU:HA	1:20:A:SER:HA	7	0.67
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	9	0.67
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	9	0.67
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	9	0.67
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	16	0.67
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	16	0.67
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	16	0.67
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG21	18	0.67
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG22	18	0.67
(1,824)	1:9:A:TRP:HA	1:36:A:THR:HG23	18	0.67
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	2	0.67
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	4	0.67
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	7	0.67
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	8	0.67
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	9	0.67
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	17	0.67
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	20	0.67
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	7	0.67
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	7	0.67
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	7	0.67
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	16	0.67
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	4	0.67
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	16	0.67
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	17	0.67
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	9	0.67
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	17	0.67
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	4	0.67
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	6	0.67
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	7	0.67
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	17	0.67
(1,123)	1:33:A:LYS:H	1:33:A:LYS:HG3	20	0.67
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	19	0.66
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	19	0.66
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	19	0.66
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	19	0.66
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	19	0.66
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	19	0.66
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	8	0.66
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	15	0.66
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	15	0.66
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	15	0.66
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	15	0.66
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	15	0.66
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	15	0.66
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	6	0.66
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	6	0.66
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	8	0.66
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	8	0.66
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	5	0.66
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	5	0.66
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	5	0.66
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	5	0.66
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	5	0.66
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	5	0.66
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	13	0.66
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	13	0.66
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	13	0.66
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	3	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	2	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	2	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	2	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	2	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	2	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	2	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	2	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	2	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	7	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	7	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	7	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	7	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	7	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	7	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	7	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	7	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	7	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	8	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	8	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	8	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	8	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	8	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	8	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	8	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	8	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	8	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	17	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	17	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	17	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	17	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	17	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	17	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	17	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	17	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	17	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	19	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	19	0.66
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	19	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	19	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	19	0.66
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	19	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	19	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	19	0.66
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	19	0.66
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	9	0.66
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	9	0.66
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	9	0.66
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	4	0.66
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	7	0.66
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	16	0.66
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	4	0.66
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	7	0.66
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	17	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	2	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	4	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	5	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	6	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	7	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	8	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	9	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	10	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	11	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	12	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	13	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	15	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	16	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	17	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	19	0.66
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	20	0.66
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	5	0.66
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	5	0.66
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	17	0.66
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	17	0.66
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	4	0.66
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	17	0.66
(1,907)	1:2:A:ALA:HB1	1:19:A:LEU:HA	4	0.66
(1,907)	1:2:A:ALA:HB2	1:19:A:LEU:HA	4	0.66
(1,907)	1:2:A:ALA:HB3	1:19:A:LEU:HA	4	0.66
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	14	0.66
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	3	0.66
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	9	0.66
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	10	0.66
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	15	0.66
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	17	0.66
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	19	0.66
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	12	0.66
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	12	0.66
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	12	0.66
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	1	0.66
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	15	0.66
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	15	0.66
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	19	0.66
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	19	0.66
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	19	0.66
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	5	0.66
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	5	0.66
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	5	0.66
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	4	0.66
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	7	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	4	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	4	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	4	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	8	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	8	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	8	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	11	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	11	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	11	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	13	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	13	0.66
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	13	0.66
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	8	0.66
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	20	0.66
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	5	0.66
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	20	0.66
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	20	0.65
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	20	0.65
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	20	0.65
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	20	0.65
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	20	0.65
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	20	0.65
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	20	0.65
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	20	0.65
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	20	0.65
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	20	0.65
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	20	0.65
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	20	0.65
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	17	0.65
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	17	0.65
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	17	0.65
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	17	0.65
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	17	0.65
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	17	0.65
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	4	0.65
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	11	0.65
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	16	0.65
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	16	0.65
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	16	0.65
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	16	0.65
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	16	0.65
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	16	0.65
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	18	0.65
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	18	0.65
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	18	0.65
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	18	0.65
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	18	0.65
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	18	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	17	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	17	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	17	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	17	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	17	0.65
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	17	0.65
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	18	0.65
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	18	0.65
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	18	0.65
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	18	0.65
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	18	0.65
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	6	0.65
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	11	0.65
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	8	0.65
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	6	0.65
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	20	0.65
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	1	0.65
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	3	0.65
(1,1068)	1:33:A:LYS:HG3	1:34:A:THR:HA	14	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	1	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	1	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	10	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	10	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	11	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	11	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	12	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	12	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	18	0.65
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	18	0.65
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	2	0.65
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	6	0.65
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	14	0.65
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	1	0.65
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	5	0.65
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	8	0.65
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	14	0.65
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	18	0.65
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	4	0.65
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	14	0.65
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	15	0.65
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	13	0.65
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	17	0.65
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	17	0.65
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	17	0.65
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	8	0.65
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	6	0.65
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	6	0.65
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	6	0.65
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	11	0.65
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	11	0.65
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	18	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	10	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	10	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	10	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	12	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	12	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	12	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	16	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	16	0.65
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	16	0.65
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	13	0.65
(1,467)	1:46:A:LEU:H	1:72:A:ILE:HA	12	0.65
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	15	0.65
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	6	0.64
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	15	0.64
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	15	0.64
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	15	0.64
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	15	0.64
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	15	0.64
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	15	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	18	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	18	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	18	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	18	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	18	0.64
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	18	0.64
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	18	0.64
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	18	0.64
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	18	0.64
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	18	0.64
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	18	0.64
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	18	0.64
(1,1836)	1:61:A:LEU:HD11	1:66:A:LEU:H	15	0.64
(1,1836)	1:61:A:LEU:HD12	1:66:A:LEU:H	15	0.64
(1,1836)	1:61:A:LEU:HD13	1:66:A:LEU:H	15	0.64
(1,1836)	1:61:A:LEU:HD21	1:66:A:LEU:H	15	0.64
(1,1836)	1:61:A:LEU:HD22	1:66:A:LEU:H	15	0.64
(1,1836)	1:61:A:LEU:HD23	1:66:A:LEU:H	15	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD22	1	0.64
(1,1774)	1:50:A:VAL:HG11	1:64:A:LEU:HD23	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD22	1	0.64
(1,1774)	1:50:A:VAL:HG12	1:64:A:LEU:HD23	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD22	1	0.64
(1,1774)	1:50:A:VAL:HG13	1:64:A:LEU:HD23	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD22	1	0.64
(1,1774)	1:50:A:VAL:HG21	1:64:A:LEU:HD23	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD22	1	0.64
(1,1774)	1:50:A:VAL:HG22	1:64:A:LEU:HD23	1	0.64
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD11	1	0.64
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD12	1	0.64
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD13	1	0.64
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD21	1	0.64
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD22	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:50:A:VAL:HG23	1:64:A:LEU:HD23	1	0.64
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	12	0.64
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	12	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	19	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	19	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	19	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	19	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	19	0.64
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	19	0.64
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	18	0.64
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	15	0.64
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	15	0.64
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	15	0.64
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	15	0.64
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	15	0.64
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	15	0.64
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	15	0.64
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	15	0.64
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	15	0.64
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	18	0.64
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	11	0.64
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	12	0.64
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	12	0.64
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	19	0.64
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	19	0.64
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	19	0.64
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	4	0.64
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	4	0.64
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	4	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	2	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	2	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	3	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	3	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	7	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	7	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	8	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	8	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	16	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	16	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	19	0.64
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	19	0.64
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	14	0.64
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	14	0.64
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	14	0.64
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	6	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	5	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	5	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	5	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	10	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	10	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	10	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	14	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	14	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	14	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	20	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	20	0.64
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	20	0.64
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	6	0.64
(1,626)	1:45:A:LEU:HA	1:73:A:MET:H	7	0.64
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	14	0.64
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	14	0.64
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	14	0.64
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	2	0.64
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	2	0.64
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	2	0.64
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	19	0.64
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	19	0.64
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	19	0.64
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	8	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	6	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	6	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	6	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	9	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	9	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	9	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	20	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	20	0.64
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	20	0.64
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	4	0.63
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	4	0.63
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	4	0.63
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	4	0.63
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	4	0.63
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	11	0.63
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	16	0.63
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	17	0.63
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	19	0.63
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	19	0.63
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	19	0.63
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	19	0.63
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	19	0.63
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	19	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	12	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	12	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	12	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	12	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	12	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	12	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	12	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	14	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	14	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	14	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	14	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	14	0.63
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	14	0.63
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	14	0.63
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	14	0.63
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	6	0.63
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	6	0.63
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	6	0.63
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	6	0.63
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	6	0.63
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	6	0.63
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	11	0.63
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	11	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD11	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD12	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD13	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD21	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD22	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD23	17	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD11	19	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD12	19	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD13	19	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD21	19	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD22	19	0.63
(1,1500)	1:3:A:LEU:HB2	1:28:A:LEU:HD23	19	0.63
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	14	0.63
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	6	0.63
(1,1188)	1:45:A:LEU:HB2	1:74:A:MET:HA	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	6	0.63
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	6	0.63
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	19	0.63
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	19	0.63
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	20	0.63
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	11	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	1	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	1	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	1	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	3	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	3	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	3	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	9	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	9	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	9	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	13	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	13	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	13	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	18	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	18	0.63
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	18	0.63
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	14	0.63
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	14	0.63
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	14	0.63
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	2	0.63
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	2	0.63
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	2	0.63
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	19	0.63
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	19	0.63
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	19	0.63
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	15	0.63
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	4	0.63
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	4	0.63
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	4	0.63
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	7	0.63
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	7	0.63
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	7	0.63
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	16	0.63
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	16	0.63
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	16	0.63
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	17	0.63
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	17	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	2	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	2	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	2	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG21	15	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG22	15	0.63
(1,475)	1:46:A:LEU:H	1:72:A:ILE:HG23	15	0.63
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	3	0.63
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	6	0.63
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	5	0.62
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	5	0.62
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	5	0.62
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	5	0.62
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	5	0.62
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	5	0.62
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	2	0.62
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	7	0.62
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	8	0.62
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	8	0.62
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	8	0.62
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	8	0.62
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	8	0.62
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	8	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	9	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	9	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	9	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	9	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	9	0.62
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	9	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	9	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	9	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	9	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	9	0.62
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	9	0.62
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	9	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD11	1	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD12	1	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD13	1	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD21	1	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD22	1	0.62
(1,1763)	1:50:A:VAL:HB	1:64:A:LEU:HD23	1	0.62
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	3	0.62
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	3	0.62
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	3	0.62
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	3	0.62
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	3	0.62
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	3	0.62
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	10	0.62
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	10	0.62
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	10	0.62
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	10	0.62
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	10	0.62
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	10	0.62
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	10	0.62
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	10	0.62
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	10	0.62
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	20	0.62
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	10	0.62
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	15	0.62
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	7	0.62
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	18	0.62
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	5	0.62
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	8	0.62
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	8	0.62
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	8	0.62
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	12	0.62
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	15	0.62
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	3	0.62
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	2	0.62
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	2	0.62
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	2	0.62
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	8	0.62
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	8	0.62
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	8	0.62
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	17	0.62
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	17	0.62
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	17	0.62
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	8	0.62
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	8	0.62
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	8	0.62
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	15	0.62
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	15	0.62
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	15	0.62
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	11	0.62
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	13	0.62
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	16	0.62
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	6	0.62
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	10	0.62
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	12	0.62
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	3	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	3	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	3	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	3	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	3	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	3	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	10	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	10	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	10	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	10	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	10	0.61
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	10	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	3	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	3	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	3	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	3	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	3	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	3	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	3	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	13	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	13	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	13	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	13	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	13	0.61
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	13	0.61
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	13	0.61
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	13	0.61
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	15	0.61
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	15	0.61
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	13	0.61
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	13	0.61
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	13	0.61
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	13	0.61
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	13	0.61
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	13	0.61
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	14	0.61
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	20	0.61
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	12	0.61
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	2	0.61
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	4	0.61
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	1	0.61
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	3	0.61
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	13	0.61
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	20	0.61
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	13	0.61
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	13	0.61
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	13	0.61
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	1	0.61
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	3	0.61
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	10	0.61
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	18	0.61
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	20	0.61
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	10	0.61
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	11	0.61
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	17	0.61
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	9	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	2	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	2	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	2	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	15	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	15	0.61
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	15	0.61
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	12	0.61
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	16	0.61
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	20	0.61
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	20	0.61
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	20	0.61
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	17	0.61
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	5	0.61
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	1	0.61
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	1	0.6
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	1	0.6
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	1	0.6
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	1	0.6
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	1	0.6
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	1	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	1	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	1	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	1	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	1	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	1	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	1	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	5	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	5	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	5	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	10	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	10	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	10	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD21	10	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD22	10	0.6
(1,1839)	1:63:A:ALA:HB1	1:64:A:LEU:HD23	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD21	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD22	10	0.6
(1,1839)	1:63:A:ALA:HB2	1:64:A:LEU:HD23	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	10	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	10	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	10	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD21	10	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD22	10	0.6
(1,1839)	1:63:A:ALA:HB3	1:64:A:LEU:HD23	10	0.6
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	12	0.6
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	12	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	15	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	15	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	15	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	15	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	15	0.6
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	15	0.6
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	1	0.6
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	1	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	1	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	1	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	14	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	14	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	17	0.6
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	17	0.6
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	15	0.6
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	15	0.6
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	5	0.6
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	5	0.6
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	5	0.6
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	5	0.6
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	5	0.6
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	5	0.6
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	5	0.6
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	5	0.6
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	5	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	12	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	12	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	12	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	19	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	19	0.6
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	19	0.6
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	15	0.6
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	13	0.6
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	15	0.6
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	9	0.6
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	6	0.6
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	16	0.6
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	19	0.6
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	12	0.6
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	9	0.6
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	14	0.6
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	6	0.6
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	6	0.6
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	6	0.6
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	2	0.6
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	8	0.6
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	13	0.6
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	16	0.6
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	1	0.6
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	4	0.6
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	8	0.6
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	19	0.6
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	7	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	4	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	4	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	4	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	6	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	6	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	6	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	7	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	7	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	7	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	11	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	11	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	11	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	16	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	16	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	16	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	17	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	17	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	17	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	19	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	19	0.6
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	19	0.6
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	7	0.6
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	7	0.6
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	7	0.6
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	8	0.6
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	8	0.6
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	8	0.6
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	18	0.6
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	15	0.6
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	18	0.6
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	2	0.6
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	8	0.6
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	11	0.6
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	8	0.6
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	14	0.6
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	15	0.59
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	15	0.59
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	15	0.59
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	15	0.59
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	15	0.59
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	15	0.59
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	9	0.59
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	9	0.59
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	2	0.59
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	2	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	1	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	1	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	1	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	1	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	1	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	1	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	1	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	1	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	1	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	3	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	3	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	3	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	3	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	3	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	3	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	3	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	3	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	9	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	9	0.59
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	9	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	9	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	9	0.59
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	9	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	9	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	9	0.59
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	9	0.59
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	1	0.59
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	3	0.59
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	2	0.59
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	17	0.59
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	1	0.59
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	13	0.59
(1,1221)	1:49:A:LYS:HA	1:55:A:ALA:HA	10	0.59
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	7	0.59
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	7	0.59
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	7	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	11	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	11	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	11	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	16	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	16	0.59
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	16	0.59
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	4	0.59
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	6	0.59
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	5	0.59
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	7	0.59
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	1	0.59
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	14	0.59
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB1	8	0.59
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB2	8	0.59
(1,733)	1:54:A:PRO:HB2	1:55:A:ALA:HB3	8	0.59
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	8	0.59
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	8	0.59
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	4	0.59
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	4	0.59
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	4	0.59
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	11	0.59
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	11	0.59
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	15	0.59
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	15	0.59
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	15	0.59
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	1	0.59
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	5	0.59
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	10	0.59
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	13	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	4	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	6	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	7	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	11	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	16	0.59
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	17	0.59
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	7	0.59
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	20	0.59
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	13	0.58
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	13	0.58
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	13	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	13	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	13	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	13	0.58
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	18	0.58
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	18	0.58
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	18	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	18	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	18	0.58
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	18	0.58
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	7	0.58
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	7	0.58
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	8	0.58
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	8	0.58
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	5	0.58
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	5	0.58
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	2	0.58
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	2	0.58
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	2	0.58
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	2	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	2	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	2	0.58
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	20	0.58
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	20	0.58
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	20	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	20	0.58
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	20	0.58
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	15	0.58
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	15	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	2	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	2	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	2	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	10	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	10	0.58
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	10	0.58
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	9	0.58
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	10	0.58
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	5	0.58
(1,1264)	1:59:A:VAL:HA	1:64:A:LEU:HG	15	0.58
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	17	0.58
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	13	0.58
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	13	0.58
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	13	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	2	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	2	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	2	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	5	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	5	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	5	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	9	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	9	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	9	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	10	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	10	0.58
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	10	0.58
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	5	0.58
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	7	0.58
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	9	0.58
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	12	0.58
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	19	0.58
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	14	0.58
(1,935)	1:22:A:ASP:HA	1:60:A:LYS:HB3	15	0.58
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	15	0.58
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	15	0.58
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	15	0.58
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	20	0.58
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	20	0.58
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	10	0.58
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	2	0.58
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	6	0.58
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	6	0.58
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	6	0.58
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	11	0.58
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	11	0.58
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	11	0.58
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	6	0.58
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	6	0.58
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	6	0.58
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	16	0.58
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	16	0.58
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	16	0.58
(1,609)	1:5:A:ILE:HD11	1:70:A:THR:H	20	0.58
(1,609)	1:5:A:ILE:HD12	1:70:A:THR:H	20	0.58
(1,609)	1:5:A:ILE:HD13	1:70:A:THR:H	20	0.58
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	9	0.58
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	14	0.58
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	2	0.58
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	19	0.58
(1,470)	1:46:A:LEU:H	1:75:A:MET:HG3	3	0.58
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	2	0.58
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	15	0.58
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	16	0.58
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	5	0.58
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	14	0.58
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	15	0.58
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	2	0.57
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	2	0.57
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	3	0.57
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	3	0.57
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	4	0.57
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	4	0.57
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	16	0.57
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	16	0.57
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	8	0.57
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	8	0.57
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	8	0.57
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	8	0.57
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	8	0.57
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	14	0.57
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	14	0.57
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	14	0.57
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	14	0.57
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	14	0.57
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	14	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	3	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	4	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	5	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	8	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	11	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	12	0.57
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	13	0.57
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	19	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	3	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	3	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	3	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	6	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	6	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	6	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	19	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	19	0.57
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	19	0.57
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	11	0.57
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	17	0.57
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	20	0.57
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	2	0.57
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	6	0.57
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	11	0.57
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	12	0.57
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	3	0.57
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	13	0.57
(1,759)	1:5:A:ILE:HA	1:72:A:ILE:HG13	9	0.57
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	7	0.57
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	7	0.57
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	7	0.57
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	9	0.57
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	18	0.57
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	3	0.57
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	14	0.57
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	14	0.57
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	14	0.57
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	20	0.57
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	20	0.57
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	20	0.57
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	3	0.57
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	12	0.57
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	20	0.57
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	3	0.57
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	3	0.57
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	9	0.57
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	9	0.57
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	4	0.57
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	11	0.57
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	16	0.57
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	4	0.57
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	7	0.57
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	12	0.57
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	17	0.57
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	9	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	9	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	9	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	9	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	9	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	9	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	12	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	12	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	12	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	12	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	12	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	12	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	14	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	14	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	14	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	14	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	14	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	14	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	20	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	20	0.56
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	20	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	20	0.56
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	20	0.56
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	8	0.56
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	8	0.56
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	8	0.56
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	8	0.56
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	8	0.56
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	8	0.56
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	11	0.56
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	11	0.56
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	11	0.56
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	11	0.56
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	11	0.56
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	11	0.56
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	5	0.56
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	5	0.56
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	11	0.56
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	11	0.56
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	12	0.56
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	12	0.56
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	18	0.56
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	18	0.56
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB2	20	0.56
(1,1682)	1:38:A:VAL:HA	1:78:A:ARG:HB3	20	0.56
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	7	0.56
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	7	0.56
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	7	0.56
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	7	0.56
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	7	0.56
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	7	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	18	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	18	0.56
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	18	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	18	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	18	0.56
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	18	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	18	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	18	0.56
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	18	0.56
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	2	0.56
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	6	0.56
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	16	0.56
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	3	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	1	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	1	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	1	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	4	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	4	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	4	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	7	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	7	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	7	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	14	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	14	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	14	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	17	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	17	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	17	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	20	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	20	0.56
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	20	0.56
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	6	0.56
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	8	0.56
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	17	0.56
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	20	0.56
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	14	0.56
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	8	0.56
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	9	0.56
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	13	0.56
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	19	0.56
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	6	0.56
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	7	0.56
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	7	0.56
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	12	0.56
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	12	0.56
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	12	0.56
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	18	0.56
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	3	0.56
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	3	0.56
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	3	0.56
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	10	0.56
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	10	0.56
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	5	0.56
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	13	0.56
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	20	0.56
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	11	0.56
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	17	0.56
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	17	0.56
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	6	0.56
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	19	0.56
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	13	0.56
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	16	0.56
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	18	0.56
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	15	0.56
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	20	0.55
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	20	0.55
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	20	0.55
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	20	0.55
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	20	0.55
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	20	0.55
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	6	0.55
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	6	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	15	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	15	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	15	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	15	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	15	0.55
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	15	0.55
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	12	0.55
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	12	0.55
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	12	0.55
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	12	0.55
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	12	0.55
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	12	0.55
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	16	0.55
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	16	0.55
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	16	0.55
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	16	0.55
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	16	0.55
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	16	0.55
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	16	0.55
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	16	0.55
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	16	0.55
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	12	0.55
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	4	0.55
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	11	0.55
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	10	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	8	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	8	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	8	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	12	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	12	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	12	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	15	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	15	0.55
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	15	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	2	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	7	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	9	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	11	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	13	0.55
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	16	0.55
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	9	0.55
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	13	0.55
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	15	0.55
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	17	0.55
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	10	0.55
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	15	0.55
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	16	0.55
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	20	0.55
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	8	0.55
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	8	0.55
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	8	0.55
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	17	0.55
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	17	0.55
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	17	0.55
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	19	0.55
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	19	0.55
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	19	0.55
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	4	0.55
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	4	0.55
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	1	0.55
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	1	0.55
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	1	0.55
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	5	0.55
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	5	0.55
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	12	0.55
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	12	0.55
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	12	0.55
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	13	0.55
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	13	0.55
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	13	0.55
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	14	0.55
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	14	0.55
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	14	0.55
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	1	0.55
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	9	0.55
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	14	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	12	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	12	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	14	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	14	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	18	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	18	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.55
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	20	0.55
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	7	0.55
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	17	0.55
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	10	0.55
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	16	0.55
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	3	0.55
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	5	0.55
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	11	0.55
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	8	0.55
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	3	0.54
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	3	0.54
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	3	0.54
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	3	0.54
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	3	0.54
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	3	0.54
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	9	0.54
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	9	0.54
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	9	0.54
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	9	0.54
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	9	0.54
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	20	0.54
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	20	0.54
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	18	0.54
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	18	0.54
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	6	0.54
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	6	0.54
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	6	0.54
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	6	0.54
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	6	0.54
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	6	0.54
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	20	0.54
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	20	0.54
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	20	0.54
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	20	0.54
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	20	0.54
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	20	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	14	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	14	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	14	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	14	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	14	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	14	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	14	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	14	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	14	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	20	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	20	0.54
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	20	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	20	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	20	0.54
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	20	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	20	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	20	0.54
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	20	0.54
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	16	0.54
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	14	0.54
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	14	0.54
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	14	0.54
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	14	0.54
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	10	0.54
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	14	0.54
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	12	0.54
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	14	0.54
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	16	0.54
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	16	0.54
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	16	0.54
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD11	18	0.54
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD12	18	0.54
(1,1058)	1:33:A:LYS:HA	1:39:A:LEU:HD13	18	0.54
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	4	0.54
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	19	0.54
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	18	0.54
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	4	0.54
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	5	0.54
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	10	0.54
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	12	0.54
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	17	0.54
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	2	0.54
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	2	0.54
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	2	0.54
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	19	0.54
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	1	0.54
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	1	0.54
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	10	0.54
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	10	0.54
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	15	0.54
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	15	0.54
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	3	0.54
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	3	0.54
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	3	0.54
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	1	0.54
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	5	0.54
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	14	0.54
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	12	0.54
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	3	0.54
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	10	0.54
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	10	0.54
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	16	0.54
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	8	0.54
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	19	0.54
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	1	0.54
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	2	0.54
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	7	0.54
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	6	0.53
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	11	0.53
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	11	0.53
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	11	0.53
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	11	0.53
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	11	0.53
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	11	0.53
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	19	0.53
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	19	0.53
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	19	0.53
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	19	0.53
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	19	0.53
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	19	0.53
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	14	0.53
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	14	0.53
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	14	0.53
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	14	0.53
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	14	0.53
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	14	0.53
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	7	0.53
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	7	0.53
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	7	0.53
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	7	0.53
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	7	0.53
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	7	0.53
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	7	0.53
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	7	0.53
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	7	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	3	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	3	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	3	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	5	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	5	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	5	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	9	0.53
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	9	0.53
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	7	0.53
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	2	0.53
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	6	0.53
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	3	0.53
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	10	0.53
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	12	0.53
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	18	0.53
(1,853)	1:7:A:VAL:HB	1:14:A:TYR:HB3	3	0.53
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	16	0.53
(1,839)	1:62:A:GLY:HA2	1:65:A:LYS:HB3	1	0.53
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	9	0.53
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	3	0.53
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	11	0.53
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	18	0.53
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	19	0.53
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	16	0.53
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	16	0.53
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	16	0.53
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	2	0.53
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	8	0.53
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	11	0.53
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	12	0.53
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	19	0.53
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	20	0.53
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	18	0.53
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	18	0.53
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	18	0.53
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	9	0.53
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	18	0.53
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	18	0.53
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	18	0.53
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	2	0.53
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	3	0.53
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	13	0.53
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	15	0.53
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	2	0.53
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	16	0.53
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	5	0.53
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	5	0.53
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	17	0.53
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	6	0.53
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	11	0.53
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	1	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	14	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	14	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	14	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	14	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	14	0.52
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	14	0.52
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	8	0.52
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	12	0.52
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	12	0.52
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	12	0.52
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	12	0.52
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	12	0.52
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	12	0.52
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	3	0.52
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	3	0.52
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	11	0.52
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	11	0.52
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	16	0.52
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	16	0.52
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	14	0.52
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	14	0.52
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	20	0.52
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	20	0.52
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	11	0.52
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	7	0.52
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	7	0.52
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	7	0.52
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	17	0.52
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	17	0.52
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	1	0.52
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	12	0.52
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	20	0.52
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	1	0.52
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	5	0.52
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	12	0.52
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	14	0.52
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	15	0.52
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	15	0.52
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	15	0.52
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	8	0.52
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	19	0.52
(1,825)	1:9:A:TRP:HA	1:73:A:MET:HG2	20	0.52
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	20	0.52
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	1	0.52
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	4	0.52
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	2	0.52
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	2	0.52
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	13	0.52
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	13	0.52
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	13	0.52
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	9	0.52
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	9	0.52
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	9	0.52
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	13	0.52
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	13	0.52
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	13	0.52
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	9	0.52
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	9	0.52
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	9	0.52
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	18	0.52
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	4	0.52
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	5	0.52
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	8	0.52
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	19	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	1	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	9	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	14	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	15	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	17	0.52
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	17	0.52
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	19	0.52
(1,299)	1:8:A:LYS:HG3	1:12:A:GLN:H	11	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	1	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	2	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	4	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	6	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	8	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	9	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	14	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	15	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	19	0.52
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	20	0.52
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	16	0.52
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	20	0.52
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	16	0.51
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	16	0.51
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	16	0.51
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	16	0.51
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	16	0.51
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	16	0.51
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	2	0.51
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	2	0.51
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	2	0.51
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	2	0.51
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	2	0.51
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	2	0.51
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	8	0.51
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	8	0.51
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	10	0.51
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	10	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	5	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	13	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	13	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	13	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	13	0.51
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	13	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	8	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	15	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	16	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	17	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	17	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	17	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	17	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	17	0.51
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	17	0.51
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	6	0.51
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	6	0.51
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	6	0.51
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	6	0.51
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	6	0.51
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	6	0.51
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	5	0.51
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	5	0.51
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	7	0.51
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	7	0.51
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	12	0.51
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	12	0.51
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	11	0.51
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	11	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	11	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	11	0.51
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	13	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	13	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	13	0.51
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	17	0.51
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	17	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	17	0.51
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	17	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	15	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	15	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	15	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	15	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	15	0.51
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	15	0.51
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	16	0.51
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	16	0.51
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	16	0.51
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	16	0.51
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	16	0.51
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	16	0.51
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	15	0.51
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	15	0.51
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	15	0.51
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	15	0.51
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	15	0.51
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	15	0.51
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	6	0.51
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	6	0.51
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	6	0.51
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	6	0.51
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	6	0.51
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	6	0.51
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	6	0.51
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	6	0.51
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	6	0.51
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	1	0.51
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	1	0.51
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	1	0.51
(1,1337)	1:66:A:LEU:HD11	1:70:A:THR:HB	19	0.51
(1,1337)	1:66:A:LEU:HD12	1:70:A:THR:HB	19	0.51
(1,1337)	1:66:A:LEU:HD13	1:70:A:THR:HB	19	0.51
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	1	0.51
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	19	0.51
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	20	0.51
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	2	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	2	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	2	0.51
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	4	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	4	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	4	0.51
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	8	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	8	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	8	0.51
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	16	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	16	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	16	0.51
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	19	0.51
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	19	0.51
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	19	0.51
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	7	0.51
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	7	0.51
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	7	0.51
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	7	0.51
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	3	0.51
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	20	0.51
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	6	0.51
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	11	0.51
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	5	0.51
(1,801)	1:7:A:VAL:HB	1:14:A:TYR:HB2	8	0.51
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	4	0.51
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	4	0.51
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	4	0.51
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	5	0.51
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	17	0.51
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	14	0.51
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	14	0.51
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	7	0.51
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	1	0.51
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	1	0.51
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	1	0.51
(1,575)	1:63:A:ALA:HB1	1:65:A:LYS:H	20	0.51
(1,575)	1:63:A:ALA:HB2	1:65:A:LYS:H	20	0.51
(1,575)	1:63:A:ALA:HB3	1:65:A:LYS:H	20	0.51
(1,484)	1:48:A:LEU:HA	1:49:A:LYS:H	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	1	0.51
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	6	0.51
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	7	0.51
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	9	0.51
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	4	0.51
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	6	0.51
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	7	0.51
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	8	0.51
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	4	0.51
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	4	0.51
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	11	0.51
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	11	0.51
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	8	0.51
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	14	0.51
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	15	0.51
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	15	0.51
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	15	0.51
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	13	0.51
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	13	0.51
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	13	0.51
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	7	0.51
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	12	0.51
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	17	0.51
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	19	0.51
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	11	0.5
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	11	0.5
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	11	0.5
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	11	0.5
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	11	0.5
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	11	0.5
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	7	0.5
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	7	0.5
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	7	0.5
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	7	0.5
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	7	0.5
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	7	0.5
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	11	0.5
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	11	0.5
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	15	0.5
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	15	0.5
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	18	0.5
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	9	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	10	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	18	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	18	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	18	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	18	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	18	0.5
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	18	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	2	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	4	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	6	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	7	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	7	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	7	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	7	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	7	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	11	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	19	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	19	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	19	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	19	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	19	0.5
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	19	0.5
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	15	0.5
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	15	0.5
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	15	0.5
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	15	0.5
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	15	0.5
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	15	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	1	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	1	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	2	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	2	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	4	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	4	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	6	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	6	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	8	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	8	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	9	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	9	0.5
(1,1722)	1:44:A:LYS:HG2	1:45:A:LEU:H	20	0.5
(1,1722)	1:44:A:LYS:HG3	1:45:A:LEU:H	20	0.5
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	16	0.5
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	16	0.5
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	16	0.5
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	16	0.5
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	4	0.5
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	4	0.5
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	4	0.5
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	4	0.5
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	4	0.5
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	18	0.5
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	18	0.5
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	18	0.5
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	2	0.5
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	4	0.5
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	5	0.5
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	6	0.5
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	9	0.5
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	12	0.5
(1,1319)	1:65:A:LYS:HB2	1:66:A:LEU:HG	19	0.5
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	8	0.5
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	8	0.5
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	8	0.5
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	13	0.5
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	10	0.5
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	8	0.5
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	8	0.5
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	10	0.5
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	18	0.5
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	20	0.5
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	7	0.5
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	12	0.5
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	12	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	2	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	4	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	6	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	13	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	14	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	16	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	17	0.5
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	18	0.5
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	10	0.5
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	10	0.5
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	10	0.5
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	19	0.5
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	10	0.5
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	15	0.5
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	14	0.5
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	17	0.5
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	18	0.5
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	2	0.5
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:43:A:GLN:H	1:43:A:GLN:HG2	19	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	5	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	5	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	7	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	7	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	8	0.5
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	8	0.5
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	10	0.5
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	10	0.5
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	20	0.5
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	20	0.5
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	19	0.5
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	1	0.5
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	15	0.5
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	6	0.5
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	6	0.5
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	6	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	6	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	6	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	6	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	20	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	20	0.5
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	20	0.5
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	4	0.5
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	5	0.49
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	5	0.49
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	20	0.49
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	20	0.49
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	20	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	1	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	5	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	5	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	5	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	5	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	5	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	13	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	13	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	13	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	13	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	13	0.49
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	13	0.49
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	4	0.49
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	4	0.49
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	4	0.49
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	4	0.49
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	4	0.49
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	4	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	14	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	14	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	14	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	14	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	18	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	18	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	18	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	18	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	20	0.49
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	20	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	20	0.49
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	20	0.49
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	9	0.49
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	9	0.49
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	9	0.49
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	9	0.49
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	10	0.49
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	10	0.49
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	10	0.49
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	10	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	20	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	20	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	20	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	20	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	20	0.49
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	19	0.49
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	19	0.49
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	19	0.49
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	19	0.49
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	19	0.49
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	19	0.49
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	11	0.49
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	11	0.49
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	11	0.49
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	11	0.49
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	11	0.49
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	11	0.49
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	8	0.49
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	8	0.49
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	4	0.49
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	4	0.49
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	4	0.49
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	4	0.49
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	4	0.49
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	4	0.49
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	4	0.49
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	4	0.49
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	4	0.49
(1,1337)	1:66:A:LEU:HD11	1:70:A:THR:HB	2	0.49
(1,1337)	1:66:A:LEU:HD12	1:70:A:THR:HB	2	0.49
(1,1337)	1:66:A:LEU:HD13	1:70:A:THR:HB	2	0.49
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	8	0.49
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	13	0.49
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	9	0.49
(1,1265)	1:25:A:VAL:HB	1:59:A:VAL:HA	14	0.49
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	11	0.49
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	8	0.49
(1,1026)	1:30:A:GLN:HA	1:33:A:LYS:HB2	15	0.49
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	18	0.49
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	13	0.49
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	13	0.49
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	13	0.49
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	13	0.49
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	16	0.49
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	13	0.49
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	2	0.49
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	12	0.49
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	5	0.49
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	5	0.49
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	19	0.49
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	19	0.49
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	1	0.49
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	3	0.49
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	8	0.49
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	9	0.49
(1,616)	1:6:A:ILE:HD11	1:71:A:LYS:H	5	0.49
(1,616)	1:6:A:ILE:HD12	1:71:A:LYS:H	5	0.49
(1,616)	1:6:A:ILE:HD13	1:71:A:LYS:H	5	0.49
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	17	0.49
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	3	0.49
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	4	0.49
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	11	0.49
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	12	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	1	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	1	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	2	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	2	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	6	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	6	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	10	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	10	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	13	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	13	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	15	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	15	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	16	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	16	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG2	19	0.49
(1,419)	1:41:A:GLU:H	1:41:A:GLU:HG3	19	0.49
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	13	0.49
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	15	0.49
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	1	0.49
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	1	0.49
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	11	0.49
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	11	0.49
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	2	0.49
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	4	0.49
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	10	0.49
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	12	0.49
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	19	0.49
(1,199)	1:39:A:LEU:H	1:42:A:ARG:H	10	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	7	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	7	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	7	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	8	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	8	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	8	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	9	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	9	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	9	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	19	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	19	0.49
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	19	0.49
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	4	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	4	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	4	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	4	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	4	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	4	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	7	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	7	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	7	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	7	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	7	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	7	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	19	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	19	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	19	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	19	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	19	0.48
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	19	0.48
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	9	0.48
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	9	0.48
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	1	0.48
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	1	0.48
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	13	0.48
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	13	0.48
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	9	0.48
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	13	0.48
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	13	0.48
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	14	0.48
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	3	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	9	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	10	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	14	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	20	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	20	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	20	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	20	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	20	0.48
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	20	0.48
(1,1724)	1:44:A:LYS:HG2	1:46:A:LEU:H	18	0.48
(1,1724)	1:44:A:LYS:HG3	1:46:A:LEU:H	18	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	1	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	1	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	1	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	1	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	3	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	3	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	3	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	5	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	5	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	5	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	5	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	9	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	9	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	9	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	9	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	15	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	15	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	15	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	15	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	19	0.48
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	19	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	19	0.48
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	19	0.48
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	7	0.48
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	7	0.48
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	7	0.48
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	7	0.48
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	7	0.48
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	7	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	1	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	1	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	1	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	1	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	3	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	3	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	3	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	3	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	5	0.48
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	5	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	5	0.48
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	5	0.48
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	2	0.48
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	2	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	14	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	14	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	14	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	16	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	16	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	20	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	20	0.48
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	20	0.48
(1,1336)	1:45:A:LEU:HB3	1:46:A:LEU:HB3	16	0.48
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	2	0.48
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	2	0.48
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	2	0.48
(1,1205)	1:48:A:LEU:HA	1:48:A:LEU:HG	12	0.48
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	10	0.48
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	10	0.48
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	10	0.48
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	17	0.48
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	17	0.48
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	10	0.48
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	4	0.48
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	7	0.48
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	6	0.48
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	7	0.48
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	16	0.48
(1,465)	1:46:A:LEU:H	1:73:A:MET:HA	20	0.48
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	1	0.48
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	9	0.48
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	8	0.48
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	16	0.48
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	15	0.48
(1,365)	1:22:A:ASP:H	1:62:A:GLY:HA3	4	0.48
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	14	0.48
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	14	0.48
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	4	0.48
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	4	0.48
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	4	0.48
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	4	0.48
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	9	0.48
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	9	0.48
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	9	0.48
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	17	0.48
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	17	0.48
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	17	0.48
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	7	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	2	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	2	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	11	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	11	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	11	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	12	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	12	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	12	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	13	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	13	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	13	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	16	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	16	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	16	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	17	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	17	0.48
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	17	0.48
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	6	0.47
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	6	0.47
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	6	0.47
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	6	0.47
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	6	0.47
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	6	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	9	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	9	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	18	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	18	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	20	0.47
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	20	0.47
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	5	0.47
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	5	0.47
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	7	0.47
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	14	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	14	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	14	0.47
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	14	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	14	0.47
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	16	0.47
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	17	0.47
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	20	0.47
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	20	0.47
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	20	0.47
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	20	0.47
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	20	0.47
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	20	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	2	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	2	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	2	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	2	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	4	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	4	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	4	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	4	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	6	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	6	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	6	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	6	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	8	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	8	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	8	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	8	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	12	0.47
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	12	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	12	0.47
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	12	0.47
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	14	0.47
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	14	0.47
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	14	0.47
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	14	0.47
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	14	0.47
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	13	0.47
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	13	0.47
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	13	0.47
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	13	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD11	14	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD12	14	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD13	14	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD21	14	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD22	14	0.47
(1,1595)	1:21:A:GLU:HA	1:28:A:LEU:HD23	14	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD11	15	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD12	15	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD13	15	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD21	15	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD22	15	0.47
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD23	15	0.47
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	4	0.47
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	4	0.47
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	4	0.47
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	4	0.47
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	4	0.47
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	4	0.47
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	6	0.47
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	6	0.47
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	11	0.47
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	11	0.47
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	2	0.47
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	6	0.47
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	7	0.47
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	16	0.47
(1,1332)	1:65:A:LYS:HB3	1:65:A:LYS:HD3	6	0.47
(1,1332)	1:65:A:LYS:HB3	1:65:A:LYS:HD3	11	0.47
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	6	0.47
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	6	0.47
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	6	0.47
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	11	0.47
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	11	0.47
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	11	0.47
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	16	0.47
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	16	0.47
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	5	0.47
(1,1258)	1:24:A:THR:HA	1:58:A:ASP:HA	9	0.47
(1,953)	1:24:A:THR:HB	1:27:A:ASP:HA	15	0.47
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	1	0.47
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	1	0.47
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	1	0.47
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	15	0.47
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	15	0.47
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	15	0.47
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	15	0.47
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	15	0.47
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	15	0.47
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	15	0.47
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	15	0.47
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	15	0.47
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	4	0.47
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	11	0.47
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	7	0.47
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	14	0.47
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	17	0.47
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	17	0.47
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	17	0.47
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	13	0.47
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	13	0.47
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	5	0.47
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	11	0.47
(1,618)	1:6:A:ILE:H	1:72:A:ILE:H	15	0.47
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	2	0.47
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	8	0.47
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	16	0.47
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	19	0.47
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	17	0.47
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	8	0.47
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	3	0.47
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	5	0.47
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	6	0.47
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	5	0.47
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	7	0.47
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	7	0.47
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	8	0.47
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	8	0.47
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	8	0.47
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	11	0.47
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	11	0.47
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	11	0.47
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	16	0.47
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	16	0.47
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	16	0.47
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	18	0.47
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	18	0.47
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	18	0.47
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	6	0.47
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	9	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	1	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	1	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	1	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	4	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	4	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	4	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	10	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	10	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	10	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	14	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	14	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	14	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	18	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	18	0.47
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	18	0.47
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	18	0.47
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	2	0.46
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	2	0.46
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	2	0.46
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	2	0.46
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	2	0.46
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	2	0.46
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	16	0.46
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	16	0.46
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	16	0.46
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	16	0.46
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	16	0.46
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	3	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	3	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	7	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	7	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	10	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	10	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	11	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	11	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	12	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	12	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	17	0.46
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	17	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	5	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	14	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	14	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	14	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	14	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	14	0.46
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	14	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD11	12	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD12	12	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD13	12	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD21	12	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD22	12	0.46
(1,1755)	1:49:A:LYS:HA	1:64:A:LEU:HD23	12	0.46
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	1	0.46
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	5	0.46
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	5	0.46
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	5	0.46
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	5	0.46
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	5	0.46
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	20	0.46
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	20	0.46
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	20	0.46
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	20	0.46
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	20	0.46
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	20	0.46
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	12	0.46
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	12	0.46
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	12	0.46
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	12	0.46
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	18	0.46
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	18	0.46
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	18	0.46
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	18	0.46
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	2	0.46
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	2	0.46
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	2	0.46
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	2	0.46
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	2	0.46
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	2	0.46
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	8	0.46
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	8	0.46
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	8	0.46
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	8	0.46
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	8	0.46
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	8	0.46
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	4	0.46
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	4	0.46
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	7	0.46
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	7	0.46
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	9	0.46
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	9	0.46
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	11	0.46
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	19	0.46
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	11	0.46
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	11	0.46
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	11	0.46
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	11	0.46
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	11	0.46
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	11	0.46
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	11	0.46
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	11	0.46
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	7	0.46
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	7	0.46
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	7	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	6	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	6	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	6	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	17	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	17	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	17	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	19	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	19	0.46
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	19	0.46
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	20	0.46
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	20	0.46
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	20	0.46
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	13	0.46
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	13	0.46
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	13	0.46
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	8	0.46
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	2	0.46
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	16	0.46
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	19	0.46
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	19	0.46
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	19	0.46
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	19	0.46
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	1	0.46
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	2	0.46
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	15	0.46
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	17	0.46
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	2	0.46
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	15	0.46
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	19	0.46
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	2	0.46
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	4	0.46
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	7	0.46
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	19	0.46
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	15	0.46
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	15	0.46
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	20	0.46
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	20	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	4	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	4	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	11	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	11	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	11	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	14	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	14	0.46
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	14	0.46
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	1	0.46
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	1	0.46
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	1	0.46
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	2	0.46
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	2	0.46
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	2	0.46
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	19	0.46
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	19	0.46
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	19	0.46
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	13	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	3	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	3	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	3	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	5	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	5	0.46
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	5	0.46
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	18	0.45
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	18	0.45
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	18	0.45
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	18	0.45
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	18	0.45
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	18	0.45
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	17	0.45
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	19	0.45
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	19	0.45
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	19	0.45
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	19	0.45
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	19	0.45
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	2	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	2	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	6	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	6	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	14	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	14	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	16	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	16	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	19	0.45
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	19	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	10	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	10	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	10	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	10	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	10	0.45
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	10	0.45
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	1	0.45
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	1	0.45
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	1	0.45
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	1	0.45
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	9	0.45
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	9	0.45
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	20	0.45
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	20	0.45
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	7	0.45
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	7	0.45
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	7	0.45
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	7	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD11	14	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD12	14	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD13	14	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD21	14	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD22	14	0.45
(1,1610)	1:24:A:THR:H	1:28:A:LEU:HD23	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD11	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD12	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD13	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD21	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD22	14	0.45
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD23	14	0.45
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	15	0.45
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	15	0.45
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	15	0.45
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	15	0.45
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	15	0.45
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	9	0.45
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	9	0.45
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	9	0.45
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	9	0.45
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	9	0.45
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	9	0.45
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	1	0.45
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	1	0.45
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	10	0.45
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	10	0.45
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	12	0.45
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	12	0.45
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	4	0.45
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	9	0.45
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	17	0.45
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	18	0.45
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	14	0.45
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	20	0.45
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	18	0.45
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	18	0.45
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	18	0.45
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	16	0.45
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	17	0.45
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	20	0.45
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	3	0.45
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	3	0.45
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	3	0.45
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	4	0.45
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	10	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	4	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	7	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	8	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	11	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	16	0.45
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	20	0.45
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	20	0.45
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	10	0.45
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	17	0.45
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	12	0.45
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	12	0.45
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	17	0.45
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	17	0.45
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	18	0.45
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	18	0.45
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	20	0.45
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	20	0.45
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	20	0.45
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	3	0.45
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	3	0.45
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	3	0.45
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	5	0.45
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	5	0.45
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	5	0.45
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	10	0.45
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	10	0.45
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	10	0.45
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	12	0.45
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	12	0.45
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	12	0.45
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	12	0.45
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	3	0.44
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	3	0.44
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	4	0.44
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	4	0.44
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	8	0.44
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	8	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	3	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	3	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	3	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	3	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	3	0.44
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	3	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	3	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	3	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	5	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	5	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	6	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	6	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	7	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	8	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	8	0.44
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	11	0.44
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	11	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD11	20	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD12	20	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD13	20	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD21	20	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD22	20	0.44
(1,1561)	1:18:A:THR:HB	1:19:A:LEU:HD23	20	0.44
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	13	0.44
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	13	0.44
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	1	0.44
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	3	0.44
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	13	0.44
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	6	0.44
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	6	0.44
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	6	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	11	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	11	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	11	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	20	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	20	0.44
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	20	0.44
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	3	0.44
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	5	0.44
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	10	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	2	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	4	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	7	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	9	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	10	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	15	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	16	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	17	0.44
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	19	0.44
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	9	0.44
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	5	0.44
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	5	0.44
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	5	0.44
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	18	0.44
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	18	0.44
(1,900)	1:18:A:THR:HG21	1:28:A:LEU:HG	15	0.44
(1,900)	1:18:A:THR:HG22	1:28:A:LEU:HG	15	0.44
(1,900)	1:18:A:THR:HG23	1:28:A:LEU:HG	15	0.44
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	3	0.44
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	3	0.44
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	3	0.44
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	3	0.44
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	3	0.44
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	3	0.44
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	3	0.44
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	3	0.44
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	3	0.44
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	5	0.44
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	6	0.44
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	9	0.44
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	19	0.44
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	3	0.44
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	11	0.44
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	14	0.44
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	14	0.44
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	14	0.44
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	14	0.44
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	5	0.44
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	5	0.44
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	5	0.44
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	9	0.44
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	9	0.44
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	9	0.44
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	10	0.44
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	10	0.44
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	10	0.44
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	15	0.44
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	15	0.44
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	15	0.44
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	17	0.44
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	6	0.44
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	11	0.44
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	18	0.44
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	18	0.44
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	8	0.44
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	1	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	1	0.44
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	5	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	5	0.44
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	8	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	8	0.44
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	10	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	10	0.44
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	14	0.44
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	14	0.44
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	16	0.44
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	16	0.44
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	16	0.44
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	8	0.43
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	8	0.43
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	8	0.43
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	8	0.43
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	8	0.43
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	8	0.43
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	11	0.43
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	11	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	7	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	7	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	7	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	7	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	7	0.43
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	7	0.43
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	7	0.43
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	7	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	1	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	1	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	1	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	1	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	1	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	13	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	18	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	18	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	18	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	18	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	18	0.43
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	18	0.43
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	2	0.43
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	2	0.43
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	4	0.43
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	4	0.43
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	12	0.43
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	12	0.43
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	16	0.43
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	16	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	15	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	15	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	15	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	15	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	15	0.43
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	15	0.43
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	11	0.43
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	11	0.43
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	11	0.43
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	11	0.43
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	11	0.43
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	11	0.43
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	17	0.43
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	17	0.43
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	17	0.43
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	17	0.43
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	17	0.43
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	3	0.43
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	3	0.43
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	5	0.43
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	5	0.43
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	8	0.43
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	10	0.43
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	12	0.43
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	13	0.43
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	4	0.43
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	10	0.43
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	19	0.43
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD11	4	0.43
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD12	4	0.43
(1,1299)	1:28:A:LEU:HB3	1:61:A:LEU:HD13	4	0.43
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	1	0.43
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	9	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	1	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	3	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	5	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	6	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	11	0.43
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	13	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	1	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	6	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	8	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	12	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	14	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	15	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	17	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	19	0.43
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	20	0.43
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	2	0.43
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	2	0.43
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	2	0.43
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	18	0.43
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	18	0.43
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	18	0.43
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	15	0.43
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	15	0.43
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	5	0.43
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	5	0.43
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	1	0.43
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	1	0.43
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	1	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	1	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	1	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	1	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	1	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	1	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	1	0.43
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	20	0.43
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	20	0.43
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	20	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	20	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	20	0.43
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	20	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	20	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	20	0.43
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	20	0.43
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	1	0.43
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	6	0.43
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	12	0.43
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	15	0.43
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	15	0.43
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	15	0.43
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	15	0.43
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	1	0.43
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	1	0.43
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	1	0.43
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	12	0.43
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	12	0.43
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	12	0.43
(1,744)	1:2:A:ALA:HA	1:3:A:LEU:HG	17	0.43
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	20	0.43
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	2	0.43
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	15	0.43
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	12	0.43
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	2	0.43
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	6	0.43
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	14	0.43
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	7	0.43
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	14	0.43
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	3	0.43
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	3	0.43
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	4	0.43
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	4	0.43
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	11	0.43
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	17	0.43
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	2	0.43
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	2	0.43
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	2	0.43
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	11	0.43
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	16	0.43
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG21	15	0.43
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG22	15	0.43
(1,124)	1:33:A:LYS:H	1:34:A:THR:HG23	15	0.43
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	17	0.42
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	17	0.42
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	17	0.42
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	17	0.42
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	17	0.42
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	17	0.42
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	18	0.42
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	18	0.42
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB2	15	0.42
(1,1808)	1:57:A:ASN:H	1:57:A:ASN:HB3	15	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	2	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	2	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	2	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	2	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	2	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	2	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	2	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	17	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	17	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	17	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	19	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	19	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	19	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	19	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	19	0.42
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	19	0.42
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	19	0.42
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	19	0.42
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	3	0.42
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	3	0.42
(1,1723)	1:44:A:LYS:HG2	1:45:A:LEU:HA	18	0.42
(1,1723)	1:44:A:LYS:HG3	1:45:A:LEU:HA	18	0.42
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	17	0.42
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	17	0.42
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	17	0.42
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	17	0.42
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	17	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	9	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	9	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	9	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	9	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	9	0.42
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	9	0.42
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	15	0.42
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	15	0.42
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	15	0.42
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	15	0.42
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	15	0.42
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	15	0.42
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	20	0.42
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	20	0.42
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	20	0.42
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	20	0.42
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	20	0.42
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	20	0.42
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	16	0.42
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	16	0.42
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	18	0.42
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	18	0.42
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	5	0.42
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	16	0.42
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	4	0.42
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	4	0.42
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	4	0.42
(1,1307)	1:63:A:ALA:HB1	1:64:A:LEU:HG	15	0.42
(1,1307)	1:63:A:ALA:HB2	1:64:A:LEU:HG	15	0.42
(1,1307)	1:63:A:ALA:HB3	1:64:A:LEU:HG	15	0.42
(1,1286)	1:25:A:VAL:HB	1:61:A:LEU:HA	13	0.42
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	1	0.42
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	13	0.42
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	20	0.42
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	18	0.42
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	2	0.42
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	4	0.42
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	15	0.42
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	15	0.42
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	15	0.42
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	15	0.42
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	15	0.42
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	15	0.42
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	11	0.42
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	11	0.42
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	11	0.42
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	20	0.42
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	20	0.42
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	3	0.42
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	3	0.42
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	3	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	5	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	5	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	5	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	5	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	5	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	5	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	5	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	5	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	5	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	13	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	13	0.42
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	13	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	13	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	13	0.42
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	13	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	13	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	13	0.42
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	13	0.42
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	3	0.42
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	10	0.42
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	13	0.42
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	18	0.42
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	18	0.42
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	18	0.42
(1,744)	1:2:A:ALA:HA	1:3:A:LEU:HG	19	0.42
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	2	0.42
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	7	0.42
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	19	0.42
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	6	0.42
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	10	0.42
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	10	0.42
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	10	0.42
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	3	0.42
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	13	0.42
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	14	0.42
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	18	0.42
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	9	0.42
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	13	0.42
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	20	0.42
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	9	0.42
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	13	0.42
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	15	0.42
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	12	0.42
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	18	0.42
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	1	0.42
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	3	0.42
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	10	0.42
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	12	0.42
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	6	0.42
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	11	0.42
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	17	0.42
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	19	0.42
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	12	0.42
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	12	0.42
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	19	0.42
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	19	0.42
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	20	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	6	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	6	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	6	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	8	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	8	0.42
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	8	0.42
(1,58)	1:49:A:LYS:HB3	1:50:A:VAL:H	8	0.42
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	9	0.42
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	6	0.41
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	6	0.41
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	6	0.41
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	6	0.41
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	6	0.41
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	2	0.41
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	2	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	8	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	8	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	8	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	16	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	16	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	16	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	16	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	16	0.41
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	16	0.41
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	16	0.41
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	16	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	9	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	9	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	9	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	9	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	9	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	12	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	12	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	12	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	12	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	12	0.41
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	12	0.41
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	2	0.41
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	13	0.41
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	13	0.41
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	13	0.41
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	13	0.41
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	13	0.41
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	13	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	17	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	17	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	17	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	17	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	17	0.41
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	17	0.41
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	1	0.41
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	1	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	1	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	1	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	1	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	1	0.41
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	14	0.41
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	14	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	14	0.41
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	14	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	14	0.41
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	14	0.41
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	19	0.41
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	14	0.41
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	18	0.41
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	20	0.41
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	5	0.41
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	17	0.41
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	17	0.41
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	17	0.41
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	17	0.41
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	17	0.41
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	17	0.41
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	17	0.41
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	17	0.41
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	17	0.41
(1,1252)	1:55:A:ALA:HA	1:56:A:GLU:HB2	5	0.41
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	15	0.41
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	15	0.41
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	15	0.41
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	2	0.41
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	2	0.41
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	2	0.41
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	12	0.41
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	12	0.41
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	12	0.41
(1,937)	1:22:A:ASP:HA	1:60:A:LYS:HG3	15	0.41
(1,895)	1:2:A:ALA:HB1	1:18:A:THR:HA	14	0.41
(1,895)	1:2:A:ALA:HB2	1:18:A:THR:HA	14	0.41
(1,895)	1:2:A:ALA:HB3	1:18:A:THR:HA	14	0.41
(1,895)	1:2:A:ALA:HB1	1:18:A:THR:HA	20	0.41
(1,895)	1:2:A:ALA:HB2	1:18:A:THR:HA	20	0.41
(1,895)	1:2:A:ALA:HB3	1:18:A:THR:HA	20	0.41
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	7	0.41
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	12	0.41
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	18	0.41
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	1	0.41
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	14	0.41
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	14	0.41
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	14	0.41
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	6	0.41
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	16	0.41
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	20	0.41
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	20	0.41
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	9	0.41
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	12	0.41
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	14	0.41
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	17	0.41
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	9	0.41
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	1	0.41
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	14	0.41
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	1	0.41
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	3	0.41
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	10	0.41
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	20	0.41
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	4	0.41
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	7	0.41
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	11	0.41
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	16	0.41
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	17	0.41
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	9	0.41
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	13	0.41
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	16	0.41
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	2	0.41
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	2	0.41
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	13	0.41
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	13	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	10	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	10	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	10	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	13	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	13	0.41
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	13	0.41
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	14	0.41
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	14	0.41
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	14	0.41
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	3	0.41
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	4	0.41
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	19	0.41
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	5	0.41
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	13	0.41
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	12	0.4
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	12	0.4
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	12	0.4
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	12	0.4
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	12	0.4
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	11	0.4
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	11	0.4
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	11	0.4
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	11	0.4
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	11	0.4
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	11	0.4
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	20	0.4
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	20	0.4
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	20	0.4
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	20	0.4
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	20	0.4
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	20	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	4	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	4	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	4	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	11	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	11	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	11	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	11	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	11	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	11	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	11	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	15	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	15	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	15	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	15	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	15	0.4
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	15	0.4
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	15	0.4
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	15	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	20	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	20	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	20	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	20	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	20	0.4
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	20	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	2	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	11	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	11	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	11	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	11	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	11	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	19	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	19	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	19	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	19	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	19	0.4
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	19	0.4
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	10	0.4
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	10	0.4
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	10	0.4
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	10	0.4
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	10	0.4
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	10	0.4
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	17	0.4
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	17	0.4
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	17	0.4
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	17	0.4
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	17	0.4
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	17	0.4
(1,1459)	1:4:A:PRO:HA	1:16:A:VAL:HA	15	0.4
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	11	0.4
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	15	0.4
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	14	0.4
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	14	0.4
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	15	0.4
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	15	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	9	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	9	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	9	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	9	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	9	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	9	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	9	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	9	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	9	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	14	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	14	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	14	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	14	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	14	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	14	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	14	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	14	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	18	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	18	0.4
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	18	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	18	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	18	0.4
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	18	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	18	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	18	0.4
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	18	0.4
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	15	0.4
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	5	0.4
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	3	0.4
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	2	0.4
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	2	0.4
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	2	0.4
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	4	0.4
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	4	0.4
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	4	0.4
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	8	0.4
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	11	0.4
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	1	0.4
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	5	0.4
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	12	0.4
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	19	0.4
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	3	0.4
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	10	0.4
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	12	0.4
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	8	0.4
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	5	0.4
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	2	0.4
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	6	0.4
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	19	0.4
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	20	0.4
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	5	0.4
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	12	0.4
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	18	0.4
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	15	0.4
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	15	0.4
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	9	0.4
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	16	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	1	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	1	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	1	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	3	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	3	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	3	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	5	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	5	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	5	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	9	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	9	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	9	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	12	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	12	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	12	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	17	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	17	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	17	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	18	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	18	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	18	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	19	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	19	0.4
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	19	0.4
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	20	0.4
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	20	0.4
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	20	0.4
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	1	0.4
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	2	0.4
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	20	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	12	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	12	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	12	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	15	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	15	0.4
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	15	0.4
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	1	0.4
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	3	0.4
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	9	0.4
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	18	0.4
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG21	15	0.39
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG22	15	0.39
(1,1861)	1:67:A:LYS:HB2	1:70:A:THR:HG23	15	0.39
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG21	15	0.39
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG22	15	0.39
(1,1861)	1:67:A:LYS:HB3	1:70:A:THR:HG23	15	0.39
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	15	0.39
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	15	0.39
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	15	0.39
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	15	0.39
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	15	0.39
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	15	0.39
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	7	0.39
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	7	0.39
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	7	0.39
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	7	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	19	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	19	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	19	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	19	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	19	0.39
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	19	0.39
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	10	0.39
(1,1731)	1:45:A:LEU:HD11	1:72:A:ILE:HA	19	0.39
(1,1731)	1:45:A:LEU:HD12	1:72:A:ILE:HA	19	0.39
(1,1731)	1:45:A:LEU:HD13	1:72:A:ILE:HA	19	0.39
(1,1731)	1:45:A:LEU:HD21	1:72:A:ILE:HA	19	0.39
(1,1731)	1:45:A:LEU:HD22	1:72:A:ILE:HA	19	0.39
(1,1731)	1:45:A:LEU:HD23	1:72:A:ILE:HA	19	0.39
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	8	0.39
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	4	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	4	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	4	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	4	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	4	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	5	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	7	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	8	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	13	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	16	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	16	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	16	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	16	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	16	0.39
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	16	0.39
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	13	0.39
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	13	0.39
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	13	0.39
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	13	0.39
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	13	0.39
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	13	0.39
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	16	0.39
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	16	0.39
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	16	0.39
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	16	0.39
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	16	0.39
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	16	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	4	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	4	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	8	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	8	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	17	0.39
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	17	0.39
(1,1513)	1:3:A:LEU:HD11	1:69:A:ASN:H	19	0.39
(1,1513)	1:3:A:LEU:HD12	1:69:A:ASN:H	19	0.39
(1,1513)	1:3:A:LEU:HD13	1:69:A:ASN:H	19	0.39
(1,1513)	1:3:A:LEU:HD21	1:69:A:ASN:H	19	0.39
(1,1513)	1:3:A:LEU:HD22	1:69:A:ASN:H	19	0.39
(1,1513)	1:3:A:LEU:HD23	1:69:A:ASN:H	19	0.39
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	2	0.39
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	5	0.39
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	12	0.39
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	12	0.39
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	12	0.39
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	12	0.39
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	12	0.39
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	12	0.39
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	19	0.39
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	5	0.39
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	8	0.39
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	8	0.39
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	8	0.39
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	8	0.39
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	8	0.39
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	8	0.39
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	8	0.39
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	8	0.39
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	11	0.39
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	11	0.39
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	11	0.39
(1,1361)	1:4:A:PRO:HG2	1:69:A:ASN:HA	17	0.39
(1,1233)	1:50:A:VAL:HB	1:64:A:LEU:HB3	8	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	4	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	4	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	4	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	6	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	6	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	6	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	7	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	7	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	7	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	8	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	8	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	8	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	11	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	11	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	11	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	16	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	16	0.39
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	16	0.39
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	12	0.39
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	12	0.39
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	12	0.39
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	14	0.39
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	14	0.39
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	9	0.39
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	9	0.39
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	9	0.39
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	10	0.39
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	10	0.39
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	10	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	4	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	4	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	4	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	4	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	4	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	4	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	4	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	4	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	8	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	8	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	8	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	8	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	8	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	8	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	8	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	8	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	8	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	10	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	10	0.39
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	10	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	10	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	10	0.39
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	10	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	10	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	10	0.39
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	10	0.39
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	11	0.39
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	11	0.39
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	11	0.39
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	2	0.39
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	2	0.39
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	2	0.39
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	8	0.39
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	8	0.39
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	8	0.39
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	14	0.39
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	14	0.39
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	14	0.39
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	14	0.39
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	20	0.39
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	10	0.39
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	20	0.39
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	7	0.39
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:6:A:ILE:HB	1:71:A:LYS:H	10	0.39
(1,587)	1:66:A:LEU:H	1:66:A:LEU:HG	13	0.39
(1,534)	1:56:A:GLU:HB3	1:59:A:VAL:H	5	0.39
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	13	0.39
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	20	0.39
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	11	0.39
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	11	0.39
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	16	0.39
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	16	0.39
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD21	7	0.39
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD22	7	0.39
(1,269)	1:8:A:LYS:H	1:32:A:LEU:HD23	7	0.39
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	14	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	1	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	1	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	1	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	2	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	2	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	2	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	7	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	7	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	7	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	8	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	8	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	8	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	10	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	10	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	10	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	14	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	14	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	14	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	18	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	18	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	18	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	20	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	20	0.39
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	20	0.39
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	20	0.39
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	3	0.39
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	5	0.39
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	10	0.39
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	4	0.38
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	4	0.38
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	4	0.38
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	4	0.38
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	4	0.38
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	17	0.38
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	17	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	6	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	6	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	6	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	6	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	6	0.38
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	6	0.38
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	6	0.38
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	6	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	2	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	2	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	2	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	2	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	2	0.38
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	2	0.38
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	14	0.38
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	14	0.38
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	14	0.38
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	14	0.38
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	5	0.38
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	5	0.38
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD11	15	0.38
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD12	15	0.38
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD13	15	0.38
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD21	15	0.38
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD22	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD23	15	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	1	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	1	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	1	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	1	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	1	0.38
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	1	0.38
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	2	0.38
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	2	0.38
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	2	0.38
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	2	0.38
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	2	0.38
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	2	0.38
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	2	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	2	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	2	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	6	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	6	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	7	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	7	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	11	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	11	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	12	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	12	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	16	0.38
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	16	0.38
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	3	0.38
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	8	0.38
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	8	0.38
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	8	0.38
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	8	0.38
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	8	0.38
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	2	0.38
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	14	0.38
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	14	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	4	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	4	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	4	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	6	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	6	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	6	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	7	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	7	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	7	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	8	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	8	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	8	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	16	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	16	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	16	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	19	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	19	0.38
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	19	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	13	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	13	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	13	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	17	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	17	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	17	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	19	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	19	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	19	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	20	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	20	0.38
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	20	0.38
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	6	0.38
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	6	0.38
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	6	0.38
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB2	20	0.38
(1,938)	1:19:A:LEU:HB2	1:23:A:ASP:HB3	20	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD21	14	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD22	14	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD23	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD21	14	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD22	14	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD23	14	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD21	14	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD22	14	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD23	14	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD21	20	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD22	20	0.38
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD23	20	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD21	20	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD22	20	0.38
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD23	20	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD21	20	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD22	20	0.38
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD23	20	0.38
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	12	0.38
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	12	0.38
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	12	0.38
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	12	0.38
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	12	0.38
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	12	0.38
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	12	0.38
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	12	0.38
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	12	0.38
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	2	0.38
(1,863)	1:7:A:VAL:HB	1:15:A:SER:HA	14	0.38
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	4	0.38
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	8	0.38
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	7	0.38
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	7	0.38
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	7	0.38
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	16	0.38
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	16	0.38
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	16	0.38
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	20	0.38
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	20	0.38
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	20	0.38
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	15	0.38
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	15	0.38
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	15	0.38
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	1	0.38
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	18	0.38
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	10	0.38
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	15	0.38
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	3	0.38
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	3	0.38
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	3	0.38
(1,591)	1:5:A:ILE:HD11	1:67:A:LYS:H	15	0.38
(1,591)	1:5:A:ILE:HD12	1:67:A:LYS:H	15	0.38
(1,591)	1:5:A:ILE:HD13	1:67:A:LYS:H	15	0.38
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	7	0.38
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	8	0.38
(1,501)	1:49:A:LYS:HB3	1:55:A:ALA:H	18	0.38
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	1	0.38
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	5	0.38
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	12	0.38
(1,392)	1:24:A:THR:H	1:60:A:LYS:HA	14	0.38
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	15	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	1	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	3	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	4	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	5	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	10	0.38
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	13	0.38
(1,246)	1:5:A:ILE:HD11	1:6:A:ILE:H	15	0.38
(1,246)	1:5:A:ILE:HD12	1:6:A:ILE:H	15	0.38
(1,246)	1:5:A:ILE:HD13	1:6:A:ILE:H	15	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	3	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	3	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	3	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	4	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	4	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	4	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	5	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	5	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	5	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	6	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	6	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	6	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	9	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	9	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	9	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	13	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	13	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	16	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	16	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	16	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	17	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	17	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	17	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	19	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	19	0.38
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	19	0.38
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	4	0.38
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	7	0.38
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	14	0.38
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	11	0.37
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	11	0.37
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	5	0.37
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	14	0.37
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	14	0.37
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	14	0.37
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	14	0.37
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	14	0.37
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	14	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	17	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	17	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	17	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	17	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	17	0.37
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	17	0.37
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	11	0.37
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	17	0.37
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	17	0.37
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	17	0.37
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	17	0.37
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	17	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	3	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	6	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	6	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	6	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	6	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	6	0.37
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	6	0.37
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	19	0.37
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	19	0.37
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	19	0.37
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	19	0.37
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	19	0.37
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	19	0.37
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	18	0.37
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	18	0.37
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	8	0.37
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	14	0.37
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	15	0.37
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD11	15	0.37
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD12	15	0.37
(1,1404)	1:66:A:LEU:HD11	1:72:A:ILE:HD13	15	0.37
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD11	15	0.37
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD12	15	0.37
(1,1404)	1:66:A:LEU:HD12	1:72:A:ILE:HD13	15	0.37
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD11	15	0.37
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD12	15	0.37
(1,1404)	1:66:A:LEU:HD13	1:72:A:ILE:HD13	15	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	17	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	17	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	17	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	19	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	19	0.37
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	3	0.37
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	11	0.37
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	13	0.37
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	18	0.37
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	1	0.37
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	1	0.37
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	1	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	9	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	9	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	9	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	11	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	11	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	11	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	17	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	17	0.37
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	17	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	3	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	3	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	3	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	5	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	5	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	5	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	9	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	9	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	9	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	10	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	10	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	10	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	12	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	12	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	12	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	18	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	18	0.37
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	18	0.37
(1,895)	1:2:A:ALA:HB1	1:18:A:THR:HA	15	0.37
(1,895)	1:2:A:ALA:HB2	1:18:A:THR:HA	15	0.37
(1,895)	1:2:A:ALA:HB3	1:18:A:THR:HA	15	0.37
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	12	0.37
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	12	0.37
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	12	0.37
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	2	0.37
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	2	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	2	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	2	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	2	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	2	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	2	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	2	0.37
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	17	0.37
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	17	0.37
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	17	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	17	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	17	0.37
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	17	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	17	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	17	0.37
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	17	0.37
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	7	0.37
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	16	0.37
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	16	0.37
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	16	0.37
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	6	0.37
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	6	0.37
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	6	0.37
(1,781)	1:5:A:ILE:HG21	1:68:A:PRO:HA	11	0.37
(1,781)	1:5:A:ILE:HG22	1:68:A:PRO:HA	11	0.37
(1,781)	1:5:A:ILE:HG23	1:68:A:PRO:HA	11	0.37
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	12	0.37
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	12	0.37
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	12	0.37
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	18	0.37
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	18	0.37
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	18	0.37
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	9	0.37
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	9	0.37
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	9	0.37
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	17	0.37
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	19	0.37
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	9	0.37
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	14	0.37
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	5	0.37
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	10	0.37
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG21	11	0.37
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG22	11	0.37
(1,161)	1:35:A:LEU:H	1:36:A:THR:HG23	11	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	6	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	10	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	11	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	14	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	16	0.37
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	17	0.37
(1,20)	1:60:A:LYS:HG3	1:63:A:ALA:H	13	0.37
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	18	0.36
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	18	0.36
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	2	0.36
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	6	0.36
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	7	0.36
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	16	0.36
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	19	0.36
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	19	0.36
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	19	0.36
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	19	0.36
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	19	0.36
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	16	0.36
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	16	0.36
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	16	0.36
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	16	0.36
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	16	0.36
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	16	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD11	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD12	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD13	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD21	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD22	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD23	14	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD11	20	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD12	20	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD13	20	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD21	20	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD22	20	0.36
(1,1568)	1:19:A:LEU:HG	1:28:A:LEU:HD23	20	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	10	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	12	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD11	18	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD12	18	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD13	18	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD21	18	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD22	18	0.36
(1,1560)	1:18:A:THR:H	1:19:A:LEU:HD23	18	0.36
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	10	0.36
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	10	0.36
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	20	0.36
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	20	0.36
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	10	0.36
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	10	0.36
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	10	0.36
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	10	0.36
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	10	0.36
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	1	0.36
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	3	0.36
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	4	0.36
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	12	0.36
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	17	0.36
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	3	0.36
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	4	0.36
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	8	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	2	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	2	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	2	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	7	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	7	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	7	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	8	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	8	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	8	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	11	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	11	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	11	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	16	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	16	0.36
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	16	0.36
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	5	0.36
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	17	0.36
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	17	0.36
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	17	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	15	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	15	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	15	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	18	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	18	0.36
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	18	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	1	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	1	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	1	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	14	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	14	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG21	15	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG22	15	0.36
(1,1049)	1:32:A:LEU:HB3	1:36:A:THR:HG23	15	0.36
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	16	0.36
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	16	0.36
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	16	0.36
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD21	15	0.36
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD22	15	0.36
(1,905)	1:18:A:THR:HG21	1:19:A:LEU:HD23	15	0.36
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD21	15	0.36
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD22	15	0.36
(1,905)	1:18:A:THR:HG22	1:19:A:LEU:HD23	15	0.36
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD21	15	0.36
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD22	15	0.36
(1,905)	1:18:A:THR:HG23	1:19:A:LEU:HD23	15	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	6	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	6	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	6	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	6	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	6	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	6	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	6	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	6	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	6	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	7	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	7	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	7	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	7	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	7	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	7	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	7	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	7	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	7	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	11	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	11	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	11	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	11	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	11	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	11	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	11	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	11	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	16	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	16	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	16	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	16	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	16	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	16	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	16	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	16	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	16	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG21	19	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG22	19	0.36
(1,871)	1:16:A:VAL:HG21	1:18:A:THR:HG23	19	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG21	19	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG22	19	0.36
(1,871)	1:16:A:VAL:HG22	1:18:A:THR:HG23	19	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG21	19	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG22	19	0.36
(1,871)	1:16:A:VAL:HG23	1:18:A:THR:HG23	19	0.36
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	4	0.36
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	4	0.36
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	4	0.36
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	20	0.36
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	20	0.36
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	20	0.36
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	1	0.36
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	4	0.36
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	8	0.36
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	6	0.36
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	4	0.36
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	6	0.36
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	3	0.36
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	9	0.36
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	9	0.36
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	17	0.36
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	17	0.36
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	6	0.36
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	6	0.36
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	13	0.36
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	2	0.36
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	19	0.36
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	16	0.35
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	16	0.35
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	16	0.35
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	16	0.35
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	16	0.35
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	16	0.35
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	3	0.35
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	3	0.35
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	3	0.35
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	3	0.35
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	3	0.35
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	3	0.35
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	4	0.35
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	4	0.35
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	4	0.35
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	4	0.35
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	4	0.35
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	4	0.35
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	4	0.35
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	4	0.35
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	4	0.35
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	4	0.35
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	19	0.35
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	19	0.35
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	19	0.35
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	19	0.35
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	19	0.35
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	19	0.35
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	19	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	1	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	1	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	9	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	9	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	13	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	13	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	14	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	15	0.35
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	15	0.35
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	19	0.35
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	19	0.35
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	6	0.35
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	7	0.35
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	18	0.35
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	7	0.35
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	20	0.35
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	20	0.35
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	20	0.35
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	20	0.35
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	20	0.35
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	20	0.35
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	20	0.35
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	20	0.35
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	20	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	4	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	4	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	4	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	6	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	6	0.35
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	6	0.35
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	20	0.35
(1,1174)	1:38:A:VAL:HB	1:43:A:GLN:HG3	16	0.35
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	11	0.35
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	11	0.35
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	11	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	2	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	2	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	2	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	3	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	3	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	3	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	14	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	14	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	14	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	20	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	20	0.35
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	20	0.35
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	7	0.35
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	7	0.35
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	8	0.35
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	8	0.35
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	8	0.35
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	1	0.35
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	1	0.35
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	18	0.35
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	18	0.35
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	2	0.35
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	2	0.35
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	2	0.35
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	4	0.35
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	4	0.35
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	4	0.35
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	19	0.35
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	9	0.35
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	2	0.35
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	16	0.35
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	7	0.35
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	11	0.35
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	16	0.35
(1,477)	1:48:A:LEU:H	1:49:A:LYS:HA	10	0.35
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	15	0.35
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	13	0.35
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	6	0.35
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	9	0.35
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	8	0.35
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	12	0.35
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	15	0.35
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	10	0.35
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	12	0.35
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	15	0.35
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	7	0.35
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	14	0.35
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	14	0.34
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	14	0.34
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	14	0.34
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	14	0.34
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	14	0.34
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	14	0.34
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	4	0.34
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	4	0.34
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	4	0.34
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	4	0.34
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	4	0.34
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	8	0.34
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	8	0.34
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	8	0.34
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	8	0.34
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	8	0.34
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	8	0.34
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	1	0.34
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	1	0.34
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	20	0.34
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	20	0.34
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	7	0.34
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	7	0.34
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	18	0.34
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	18	0.34
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	18	0.34
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	18	0.34
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	18	0.34
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	18	0.34
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	18	0.34
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	18	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	15	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	15	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	15	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	15	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	15	0.34
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	15	0.34
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	4	0.34
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	4	0.34
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	7	0.34
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	7	0.34
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	12	0.34
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	12	0.34
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	15	0.34
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	15	0.34
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	8	0.34
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	8	0.34
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	8	0.34
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	8	0.34
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	8	0.34
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	3	0.34
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	3	0.34
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	19	0.34
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	19	0.34
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	19	0.34
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	19	0.34
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	19	0.34
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	19	0.34
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	1	0.34
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	6	0.34
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	6	0.34
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	6	0.34
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	6	0.34
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	6	0.34
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	6	0.34
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	20	0.34
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	1	0.34
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	2	0.34
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	13	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	3	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	3	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	3	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	5	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	5	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	5	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	12	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	12	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	12	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	18	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	18	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	18	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	20	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	20	0.34
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	20	0.34
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	13	0.34
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	16	0.34
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	17	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	1	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	1	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	1	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	5	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	5	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	5	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	12	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	12	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	12	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	13	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	13	0.34
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	13	0.34
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	3	0.34
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	3	0.34
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	5	0.34
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	5	0.34
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	10	0.34
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	10	0.34
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	13	0.34
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	13	0.34
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	19	0.34
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	19	0.34
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	19	0.34
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	7	0.34
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	7	0.34
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	7	0.34
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	8	0.34
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	8	0.34
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	8	0.34
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	18	0.34
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	3	0.34
(1,655)	1:74:A:MET:HA	1:76:A:GLY:H	5	0.34
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	15	0.34
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	17	0.34
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	10	0.34
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	13	0.34
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	12	0.34
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	12	0.34
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	20	0.34
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	20	0.34
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	4	0.34
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	2	0.34
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	17	0.34
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	19	0.34
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	6	0.34
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	18	0.34
(1,237)	1:5:A:ILE:H	1:15:A:SER:HA	18	0.34
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	1	0.34
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	5	0.34
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	12	0.34
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	14	0.34
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	6	0.34
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	13	0.34
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	20	0.34
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	2	0.33
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	7	0.33
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	17	0.33
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	19	0.33
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	19	0.33
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	19	0.33
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	19	0.33
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	19	0.33
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	19	0.33
(1,1830)	1:60:A:LYS:HA	1:60:A:LYS:HE2	9	0.33
(1,1830)	1:60:A:LYS:HA	1:60:A:LYS:HE3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	7	0.33
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	7	0.33
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	1	0.33
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	1	0.33
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	5	0.33
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	5	0.33
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	9	0.33
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	9	0.33
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	13	0.33
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	13	0.33
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	20	0.33
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	20	0.33
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	13	0.33
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	20	0.33
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	20	0.33
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	20	0.33
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	20	0.33
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	20	0.33
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	20	0.33
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	7	0.33
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	10	0.33
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	10	0.33
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	10	0.33
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	10	0.33
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	10	0.33
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	10	0.33
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	10	0.33
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	10	0.33
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	1	0.33
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	1	0.33
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	1	0.33
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	1	0.33
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	1	0.33
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	1	0.33
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	7	0.33
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	7	0.33
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	7	0.33
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	7	0.33
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	7	0.33
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	7	0.33
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	7	0.33
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	2	0.33
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	2	0.33
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	2	0.33
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	2	0.33
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	2	0.33
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	2	0.33
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB2	5	0.33
(1,1517)	1:6:A:ILE:H	1:71:A:LYS:HB3	5	0.33
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	18	0.33
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	18	0.33
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	18	0.33
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	18	0.33
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	18	0.33
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	18	0.33
(1,1489)	1:4:A:PRO:HD2	1:68:A:PRO:HB2	17	0.33
(1,1489)	1:4:A:PRO:HD3	1:68:A:PRO:HB2	17	0.33
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	9	0.33
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	3	0.33
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	5	0.33
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	7	0.33
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	12	0.33
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	19	0.33
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	3	0.33
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	3	0.33
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	3	0.33
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	11	0.33
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	11	0.33
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	11	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	1	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	1	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	1	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	9	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	9	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	9	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	10	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	10	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	10	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	13	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	13	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	13	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	14	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	14	0.33
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	14	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	1	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	2	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	4	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	5	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	8	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	9	0.33
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	19	0.33
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	12	0.33
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	12	0.33
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	12	0.33
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG21	10	0.33
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG22	10	0.33
(1,1112)	1:32:A:LEU:HA	1:36:A:THR:HG23	10	0.33
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	2	0.33
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	2	0.33
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	2	0.33
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	2	0.33
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	2	0.33
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	2	0.33
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	8	0.33
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	8	0.33
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	12	0.33
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	12	0.33
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	6	0.33
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	6	0.33
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	6	0.33
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	3	0.33
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	5	0.33
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	14	0.33
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	15	0.33
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	13	0.33
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	13	0.33
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	18	0.33
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	18	0.33
(1,281)	1:8:A:LYS:HG3	1:9:A:TRP:H	7	0.33
(1,281)	1:8:A:LYS:HG2	1:9:A:TRP:H	7	0.33
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	9	0.33
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	3	0.33
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	3	0.33
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	13	0.33
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	18	0.33
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	20	0.33
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	4	0.33
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	11	0.33
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	16	0.33
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	4	0.32
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	4	0.32
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	9	0.32
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	9	0.32
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	11	0.32
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	11	0.32
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	13	0.32
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	13	0.32
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	20	0.32
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	20	0.32
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	18	0.32
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	18	0.32
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	9	0.32
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	9	0.32
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	9	0.32
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	9	0.32
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	9	0.32
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	10	0.32
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	10	0.32
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	10	0.32
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	10	0.32
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	10	0.32
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	10	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	7	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	8	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	11	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	16	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	16	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	16	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	16	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	16	0.32
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	16	0.32
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	1	0.32
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	1	0.32
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	14	0.32
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	14	0.32
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	17	0.32
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	17	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	1	0.32
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	1	0.32
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	1	0.32
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	1	0.32
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	1	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	3	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	5	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	14	0.32
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	17	0.32
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	17	0.32
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	17	0.32
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	17	0.32
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	17	0.32
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	17	0.32
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	5	0.32
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	5	0.32
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	8	0.32
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	8	0.32
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	8	0.32
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	8	0.32
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	8	0.32
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	8	0.32
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	8	0.32
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	8	0.32
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	8	0.32
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	8	0.32
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	8	0.32
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	13	0.32
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	13	0.32
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	13	0.32
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	13	0.32
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	13	0.32
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	13	0.32
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	6	0.32
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	8	0.32
(1,1421)	1:45:A:LEU:HB3	1:74:A:MET:HA	9	0.32
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	1	0.32
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	4	0.32
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	10	0.32
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	15	0.32
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	5	0.32
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	5	0.32
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	5	0.32
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD11	15	0.32
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD12	15	0.32
(1,1297)	1:61:A:LEU:HA	1:61:A:LEU:HD13	15	0.32
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	19	0.32
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	19	0.32
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	17	0.32
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	17	0.32
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	17	0.32
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	19	0.32
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	19	0.32
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	19	0.32
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	19	0.32
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	19	0.32
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	19	0.32
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	19	0.32
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	19	0.32
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	19	0.32
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	2	0.32
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	2	0.32
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	9	0.32
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	1	0.32
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	1	0.32
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	1	0.32
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	10	0.32
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	12	0.32
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	2	0.32
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	5	0.32
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	5	0.32
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	5	0.32
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	11	0.32
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	18	0.32
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	9	0.32
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	9	0.32
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	13	0.32
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	13	0.32
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	19	0.32
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	1	0.32
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	2	0.32
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	15	0.32
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	20	0.31
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	20	0.31
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	20	0.31
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	20	0.31
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	20	0.31
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	20	0.31
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	16	0.31
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	16	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	2	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	2	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	8	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	8	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	16	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	16	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	17	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	17	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	19	0.31
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	19	0.31
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	5	0.31
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	5	0.31
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	5	0.31
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	5	0.31
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	5	0.31
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	5	0.31
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	5	0.31
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG2	10	0.31
(1,1713)	1:42:A:ARG:HB2	1:43:A:GLN:HG3	10	0.31
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG2	10	0.31
(1,1713)	1:42:A:ARG:HB3	1:43:A:GLN:HG3	10	0.31
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	3	0.31
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	3	0.31
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	6	0.31
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	6	0.31
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	20	0.31
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	20	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	2	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	4	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	6	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	6	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	6	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	6	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	6	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	8	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	9	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	11	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	12	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	13	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	16	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	18	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	18	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	18	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	18	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	18	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	19	0.31
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	20	0.31
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	20	0.31
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	20	0.31
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	20	0.31
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	20	0.31
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	20	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	14	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	14	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	14	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	14	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	14	0.31
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	14	0.31
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	14	0.31
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	4	0.31
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	4	0.31
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	4	0.31
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	4	0.31
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	4	0.31
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	4	0.31
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	4	0.31
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG2	17	0.31
(1,1515)	1:5:A:ILE:HD11	1:21:A:GLU:HG3	17	0.31
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG2	17	0.31
(1,1515)	1:5:A:ILE:HD12	1:21:A:GLU:HG3	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG2	17	0.31
(1,1515)	1:5:A:ILE:HD13	1:21:A:GLU:HG3	17	0.31
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	20	0.31
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	8	0.31
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	16	0.31
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	9	0.31
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	9	0.31
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	9	0.31
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	12	0.31
(1,1184)	1:45:A:LEU:HA	1:46:A:LEU:HG	12	0.31
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	6	0.31
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	6	0.31
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	6	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	4	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	4	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	4	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	4	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	4	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	4	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	6	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	6	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	6	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	6	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	6	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	6	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	17	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	17	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	17	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	17	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	17	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	17	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	19	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	19	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	19	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	19	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	19	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	19	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	20	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	20	0.31
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	20	0.31
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	20	0.31
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	20	0.31
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	2	0.31
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	6	0.31
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	6	0.31
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	7	0.31
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	7	0.31
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	9	0.31
(1,718)	1:29:A:LYS:H	1:29:A:LYS:HD3	13	0.31
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	13	0.31
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	12	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	5	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	5	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	10	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	10	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	17	0.31
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	17	0.31
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	7	0.31
(1,272)	1:9:A:TRP:H	1:11:A:GLY:H	18	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	2	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	4	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	8	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	9	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	15	0.31
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	17	0.31
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	6	0.31
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	16	0.31
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	20	0.31
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	2	0.31
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	8	0.31
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	12	0.31
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	17	0.31
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	18	0.31
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	3	0.31
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	19	0.31
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	1	0.3
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	1	0.3
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	12	0.3
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	12	0.3
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	15	0.3
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	15	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	1	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	1	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	1	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	1	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	1	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	1	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	1	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	3	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	3	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	3	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	13	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	13	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	13	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	13	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	13	0.3
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	13	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	13	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	13	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	13	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	13	0.3
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	13	0.3
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	13	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	4	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	4	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	4	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	4	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	4	0.3
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	4	0.3
(1,1635)	1:26:A:LEU:HD11	1:30:A:GLN:HA	15	0.3
(1,1635)	1:26:A:LEU:HD12	1:30:A:GLN:HA	15	0.3
(1,1635)	1:26:A:LEU:HD13	1:30:A:GLN:HA	15	0.3
(1,1635)	1:26:A:LEU:HD21	1:30:A:GLN:HA	15	0.3
(1,1635)	1:26:A:LEU:HD22	1:30:A:GLN:HA	15	0.3
(1,1635)	1:26:A:LEU:HD23	1:30:A:GLN:HA	15	0.3
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	16	0.3
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	16	0.3
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	16	0.3
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	16	0.3
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	9	0.3
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	9	0.3
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	9	0.3
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	9	0.3
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	9	0.3
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	9	0.3
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	20	0.3
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	20	0.3
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	20	0.3
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	20	0.3
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	20	0.3
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	20	0.3
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	1	0.3
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	1	0.3
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	1	0.3
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	1	0.3
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	1	0.3
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	1	0.3
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	3	0.3
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	3	0.3
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	12	0.3
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	12	0.3
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	12	0.3
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	12	0.3
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	12	0.3
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	12	0.3
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	12	0.3
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	10	0.3
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	18	0.3
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	20	0.3
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	20	0.3
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	20	0.3
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	8	0.3
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	8	0.3
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	8	0.3
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	18	0.3
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	20	0.3
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	20	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	2	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	2	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	2	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	7	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	7	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	7	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	8	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	8	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	8	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	9	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	9	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	9	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	11	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	11	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	11	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	17	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	17	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	17	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	19	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	19	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	19	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	20	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	20	0.3
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	20	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	7	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	7	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	7	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	7	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	7	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	7	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	8	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	8	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	8	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	8	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	8	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	8	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	12	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	12	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	12	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	12	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	12	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	16	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	16	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	16	0.3
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	16	0.3
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	16	0.3
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	16	0.3
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	4	0.3
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	2	0.3
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	2	0.3
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	9	0.3
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	9	0.3
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	17	0.3
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	17	0.3
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	17	0.3
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	17	0.3
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	17	0.3
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	17	0.3
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	17	0.3
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	17	0.3
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	17	0.3
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	7	0.3
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	7	0.3
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	7	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	3	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	3	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	9	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	9	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	13	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	13	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	18	0.3
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	18	0.3
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	9	0.3
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	9	0.3
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	9	0.3
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	12	0.3
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	12	0.3
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	12	0.3
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	13	0.3
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	13	0.3
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	5	0.3
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	5	0.3
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	5	0.3
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	13	0.3
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	13	0.3
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	13	0.3
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	16	0.3
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	14	0.3
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	16	0.3
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	16	0.3
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	1	0.3
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	1	0.3
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	1	0.3
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	13	0.3
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	18	0.3
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	20	0.3
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	6	0.3
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	1	0.3
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	3	0.3
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	9	0.3
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	13	0.3
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	13	0.3
(1,371)	1:22:A:ASP:H	1:61:A:LEU:HB2	9	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	1	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	1	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	3	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	3	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	11	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	11	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	15	0.3
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	15	0.3
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	6	0.3
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	7	0.3
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	11	0.3
(1,213)	1:3:A:LEU:H	1:20:A:SER:HB2	16	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	2	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	2	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	6	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	6	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	7	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	7	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	8	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	11	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	11	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	12	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	12	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	16	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	16	0.3
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	18	0.3
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	18	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	2	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	4	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	7	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	8	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	11	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	17	0.3
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	19	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	1	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	4	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	5	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	6	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	7	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	11	0.3
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	19	0.3
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	10	0.3
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	18	0.29
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	18	0.29
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	18	0.29
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	18	0.29
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	18	0.29
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	18	0.29
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	10	0.29
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	10	0.29
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	14	0.29
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	14	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	9	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	9	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	9	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	9	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	9	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	9	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	9	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	10	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	10	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	10	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	10	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	10	0.29
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	10	0.29
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	10	0.29
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	10	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG11	6	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG12	6	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG13	6	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG21	6	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG22	6	0.29
(1,1761)	1:50:A:VAL:H	1:59:A:VAL:HG23	6	0.29
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	9	0.29
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	9	0.29
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	9	0.29
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	9	0.29
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	9	0.29
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	9	0.29
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	2	0.29
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	2	0.29
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	2	0.29
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	2	0.29
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	2	0.29
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	14	0.29
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	14	0.29
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	14	0.29
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	14	0.29
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	14	0.29
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	14	0.29
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	10	0.29
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	10	0.29
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	10	0.29
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	10	0.29
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	10	0.29
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	10	0.29
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	10	0.29
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	5	0.29
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	5	0.29
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	5	0.29
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	5	0.29
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	5	0.29
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	5	0.29
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	7	0.29
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	7	0.29
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	7	0.29
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	7	0.29
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	7	0.29
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	7	0.29
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	2	0.29
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	11	0.29
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	16	0.29
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	9	0.29
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	11	0.29
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	20	0.29
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	17	0.29
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	17	0.29
(1,1231)	1:49:A:LYS:HB3	1:50:A:VAL:HA	8	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	13	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	13	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	13	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	16	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	16	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	16	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	18	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	18	0.29
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	18	0.29
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	11	0.29
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	11	0.29
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	11	0.29
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	11	0.29
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	11	0.29
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	11	0.29
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	7	0.29
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	20	0.29
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	4	0.29
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	4	0.29
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	4	0.29
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	17	0.29
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	17	0.29
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	17	0.29
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	11	0.29
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	11	0.29
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	11	0.29
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	11	0.29
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	11	0.29
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	11	0.29
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	16	0.29
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	16	0.29
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	16	0.29
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	19	0.29
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	1	0.29
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	1	0.29
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	1	0.29
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	3	0.29
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	3	0.29
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	3	0.29
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	12	0.29
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	6	0.29
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	6	0.29
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	6	0.29
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	6	0.29
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	6	0.29
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	20	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	1	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	3	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	5	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	9	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	10	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	12	0.29
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	14	0.29
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	5	0.29
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	10	0.29
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	14	0.29
(1,503)	1:55:A:ALA:HA	1:56:A:GLU:H	20	0.29
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	3	0.29
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	10	0.29
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	18	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	4	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	4	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	6	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	6	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	7	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	7	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	12	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	12	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	14	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	14	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	16	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	16	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	18	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	18	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	19	0.29
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	19	0.29
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	2	0.29
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	2	0.29
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	4	0.29
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	4	0.29
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	17	0.29
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	19	0.29
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	19	0.29
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	9	0.29
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	13	0.29
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	18	0.29
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	3	0.29
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	10	0.29
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	16	0.29
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	5	0.29
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	19	0.28
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	19	0.28
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	3	0.28
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	3	0.28
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	6	0.28
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	6	0.28
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	20	0.28
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	20	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	12	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	12	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	12	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	14	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	14	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	14	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	14	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	14	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	14	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	14	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	18	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	18	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	18	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	18	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	18	0.28
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	18	0.28
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	18	0.28
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	18	0.28
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	6	0.28
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	6	0.28
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	11	0.28
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	11	0.28
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	15	0.28
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	15	0.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	6	0.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	6	0.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE2	8	0.28
(1,1607)	1:23:A:ASP:H	1:60:A:LYS:HE3	8	0.28
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	17	0.28
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	17	0.28
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	17	0.28
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	4	0.28
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	4	0.28
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	4	0.28
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	4	0.28
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	4	0.28
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	4	0.28
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	3	0.28
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	5	0.28
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	9	0.28
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	13	0.28
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	19	0.28
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	3	0.28
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	11	0.28
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	6	0.28
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	12	0.28
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	14	0.28
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	18	0.28
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	6	0.28
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	11	0.28
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	18	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	4	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	4	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	4	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	8	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	8	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	8	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	15	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	15	0.28
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	15	0.28
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	2	0.28
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	4	0.28
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	8	0.28
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	15	0.28
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	12	0.28
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	5	0.28
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	7	0.28
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	7	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	1	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	1	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	2	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	2	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	2	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	3	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	3	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	3	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	5	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	5	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	5	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	10	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	10	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	10	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	12	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	12	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	12	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	13	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	13	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	13	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	14	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	14	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	14	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	15	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	15	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	15	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	20	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	20	0.28
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	20	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	4	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	4	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	4	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	10	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	10	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	10	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	12	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	12	0.28
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	12	0.28
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	6	0.28
(1,900)	1:18:A:THR:HG21	1:28:A:LEU:HG	20	0.28
(1,900)	1:18:A:THR:HG22	1:28:A:LEU:HG	20	0.28
(1,900)	1:18:A:THR:HG23	1:28:A:LEU:HG	20	0.28
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	6	0.28
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	11	0.28
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	11	0.28
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	16	0.28
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	16	0.28
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	19	0.28
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	19	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	14	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	14	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	14	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	15	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	15	0.28
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	15	0.28
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	3	0.28
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	3	0.28
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	3	0.28
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	5	0.28
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	5	0.28
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	5	0.28
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	19	0.28
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	19	0.28
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	19	0.28
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	20	0.28
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	20	0.28
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	20	0.28
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	20	0.28
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	5	0.28
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	18	0.28
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	18	0.28
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	18	0.28
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	18	0.28
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	18	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	5	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	11	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	13	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	14	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	16	0.28
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	19	0.28
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	18	0.28
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	2	0.28
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	2	0.28
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	8	0.28
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	4	0.28
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	4	0.28
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	3	0.28
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	6	0.28
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	6	0.28
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	6	0.28
(1,217)	1:3:A:LEU:H	1:3:A:LEU:HB2	17	0.28
(1,217)	1:3:A:LEU:H	1:3:A:LEU:HB2	19	0.28
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	15	0.28
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	15	0.28
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	15	0.28
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	20	0.28
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	20	0.28
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	20	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	1	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	2	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	4	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	5	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	8	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	11	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	12	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	14	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	15	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	17	0.28
(1,139)	1:34:A:THR:H	1:36:A:THR:H	19	0.28
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	1	0.28
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	1	0.28
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	3	0.28
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	3	0.28
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	5	0.28
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	5	0.28
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	10	0.28
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	10	0.28
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	5	0.28
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	14	0.28
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	15	0.28
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	9	0.28
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	13	0.28
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	8	0.28
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	12	0.28
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	9	0.27
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	9	0.27
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	9	0.27
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	9	0.27
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	9	0.27
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	1	0.27
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	1	0.27
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	9	0.27
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	9	0.27
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	11	0.27
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	11	0.27
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	11	0.27
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	11	0.27
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	11	0.27
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	11	0.27
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	11	0.27
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	11	0.27
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	1	0.27
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	1	0.27
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	15	0.27
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	15	0.27
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	15	0.27
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	15	0.27
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	15	0.27
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	15	0.27
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	15	0.27
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	4	0.27
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	7	0.27
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	7	0.27
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	16	0.27
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	16	0.27
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	17	0.27
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	17	0.27
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	19	0.27
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	19	0.27
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	16	0.27
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	16	0.27
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	13	0.27
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	13	0.27
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	13	0.27
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	13	0.27
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	13	0.27
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	13	0.27
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	4	0.27
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	4	0.27
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	4	0.27
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	4	0.27
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	4	0.27
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	4	0.27
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	17	0.27
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	15	0.27
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	13	0.27
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	13	0.27
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	13	0.27
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	13	0.27
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	16	0.27
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	16	0.27
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	16	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	1	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	1	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	1	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	2	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	2	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	2	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	3	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	3	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	3	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	5	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	5	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	7	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	7	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	7	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	9	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	9	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	9	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	10	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	10	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	10	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	11	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	11	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	11	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	12	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	12	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	12	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	13	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	13	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	13	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	14	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	14	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	14	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	16	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	16	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	16	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	17	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	17	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	17	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	20	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	20	0.27
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	20	0.27
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	6	0.27
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	7	0.27
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	11	0.27
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	13	0.27
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	20	0.27
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	6	0.27
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	6	0.27
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	9	0.27
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	9	0.27
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	9	0.27
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	18	0.27
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	18	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	1	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	1	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	1	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	3	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	3	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	3	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	5	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	5	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	5	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	14	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	14	0.27
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	14	0.27
(1,996)	1:19:A:LEU:HG	1:28:A:LEU:HA	20	0.27
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	2	0.27
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	2	0.27
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	2	0.27
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	20	0.27
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	20	0.27
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	20	0.27
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	9	0.27
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	9	0.27
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	9	0.27
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	9	0.27
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	9	0.27
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	9	0.27
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	9	0.27
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	9	0.27
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	9	0.27
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	3	0.27
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	3	0.27
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	3	0.27
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	12	0.27
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	12	0.27
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	12	0.27
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	4	0.27
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	4	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	1	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	1	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	1	0.27
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	1	0.27
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	1	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	1	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	1	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	1	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	3	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	3	0.27
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	3	0.27
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	3	0.27
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	3	0.27
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	3	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	3	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	3	0.27
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	3	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	4	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	4	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	4	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	16	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	16	0.27
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	16	0.27
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	6	0.27
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	6	0.27
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	6	0.27
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	17	0.27
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	17	0.27
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	17	0.27
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	1	0.27
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	1	0.27
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	1	0.27
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	1	0.27
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	1	0.27
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	1	0.27
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	17	0.27
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	17	0.27
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	17	0.27
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	9	0.27
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	9	0.27
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	9	0.27
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	1	0.27
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	7	0.27
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	18	0.27
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	11	0.27
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	11	0.27
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	14	0.27
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	14	0.27
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	14	0.27
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	1	0.27
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	3	0.27
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	5	0.27
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	10	0.27
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	14	0.27
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	6	0.27
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	11	0.27
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	19	0.27
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	10	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	1	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	2	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	6	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	7	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	8	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	9	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	12	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	15	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	17	0.27
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	20	0.27
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	15	0.27
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	10	0.27
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB2	20	0.27
(1,366)	1:22:A:ASP:H	1:23:A:ASP:HB3	20	0.27
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	2	0.27
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	8	0.27
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	11	0.27
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	16	0.27
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	8	0.27
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	8	0.27
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	15	0.27
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	15	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	3	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	6	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	7	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	9	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	10	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:34:A:THR:H	1:36:A:THR:H	16	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	18	0.27
(1,139)	1:34:A:THR:H	1:36:A:THR:H	20	0.27
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	9	0.27
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	9	0.27
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	13	0.27
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	13	0.27
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	1	0.27
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	3	0.27
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	12	0.27
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	15	0.27
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	17	0.27
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	3	0.26
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	3	0.26
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	3	0.26
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	3	0.26
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	3	0.26
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	3	0.26
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	12	0.26
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	12	0.26
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	12	0.26
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	12	0.26
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	12	0.26
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	12	0.26
(1,1811)	1:57:A:ASN:HB2	1:58:A:ASP:H	5	0.26
(1,1811)	1:57:A:ASN:HB3	1:58:A:ASP:H	5	0.26
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	5	0.26
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	5	0.26
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	13	0.26
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	13	0.26
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	7	0.26
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	7	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	20	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	20	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	20	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	20	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	20	0.26
(1,1794)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	20	0.26
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	20	0.26
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	20	0.26
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	20	0.26
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	20	0.26
(1,1794)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	20	0.26
(1,1794)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	20	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	2	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	2	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	17	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	17	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG11	1:53:A:LYS:HB3	19	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG12	1:53:A:LYS:HB3	19	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG13	1:53:A:LYS:HB3	19	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG21	1:53:A:LYS:HB3	19	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG22	1:53:A:LYS:HB3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB2	19	0.26
(1,1768)	1:50:A:VAL:HG23	1:53:A:LYS:HB3	19	0.26
(1,1757)	1:49:A:LYS:HG2	1:54:A:PRO:HA	2	0.26
(1,1757)	1:49:A:LYS:HG3	1:54:A:PRO:HA	2	0.26
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	2	0.26
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	2	0.26
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	5	0.26
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	5	0.26
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	19	0.26
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	19	0.26
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	15	0.26
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	15	0.26
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	15	0.26
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	15	0.26
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	15	0.26
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	15	0.26
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	1	0.26
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	5	0.26
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	11	0.26
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	11	0.26
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	11	0.26
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	11	0.26
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	11	0.26
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	11	0.26
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	15	0.26
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	15	0.26
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	15	0.26
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	15	0.26
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	15	0.26
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	15	0.26
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	2	0.26
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	6	0.26
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	6	0.26
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	9	0.26
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	9	0.26
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	11	0.26
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	11	0.26
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	16	0.26
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	16	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	10	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	10	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	11	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	11	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	18	0.26
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	18	0.26
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	20	0.26
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	6	0.26
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	20	0.26
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	12	0.26
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	15	0.26
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	17	0.26
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	18	0.26
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	18	0.26
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	18	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	6	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	6	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	6	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	18	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	18	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	18	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD11	19	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD12	19	0.26
(1,1401)	1:7:A:VAL:HA	1:72:A:ILE:HD13	19	0.26
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	12	0.26
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	14	0.26
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	16	0.26
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	7	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	4	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	4	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	4	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	6	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	6	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	7	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	7	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	7	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	8	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	8	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	8	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	11	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	11	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	11	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	16	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	16	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	16	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	17	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	17	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	17	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG21	19	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG22	19	0.26
(1,1101)	1:36:A:THR:HA	1:36:A:THR:HG23	19	0.26
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	6	0.26
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	6	0.26
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	6	0.26
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	18	0.26
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	18	0.26
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	18	0.26
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	18	0.26
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	18	0.26
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	18	0.26
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	1	0.26
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	8	0.26
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	11	0.26
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	16	0.26
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	17	0.26
(1,996)	1:19:A:LEU:HG	1:28:A:LEU:HA	14	0.26
(1,996)	1:19:A:LEU:HG	1:28:A:LEU:HA	15	0.26
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	19	0.26
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	19	0.26
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	19	0.26
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	5	0.26
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	5	0.26
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	5	0.26
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	9	0.26
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	9	0.26
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	10	0.26
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	10	0.26
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	10	0.26
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	18	0.26
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	18	0.26
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	18	0.26
(1,888)	1:4:A:PRO:HD2	1:17:A:THR:HA	7	0.26
(1,888)	1:4:A:PRO:HD3	1:17:A:THR:HA	7	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	1	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	1	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	1	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	2	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	2	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	2	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	3	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	3	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	3	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	4	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	4	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	4	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	5	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	5	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	5	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	6	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	6	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	6	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	7	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	7	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	7	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	8	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	8	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	8	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	9	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	9	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	9	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	10	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	10	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	10	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	11	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	11	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	12	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	12	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	12	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	13	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	13	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	13	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	14	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	14	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	14	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	15	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	15	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	15	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	16	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	16	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	16	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	17	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	17	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	17	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	18	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	18	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	18	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	19	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	19	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	19	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG11	20	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG12	20	0.26
(1,884)	1:15:A:SER:HA	1:16:A:VAL:HG13	20	0.26
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	10	0.26
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	10	0.26
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	10	0.26
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	10	0.26
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	10	0.26
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	10	0.26
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	10	0.26
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	10	0.26
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	10	0.26
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	12	0.26
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	12	0.26
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	12	0.26
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	8	0.26
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	8	0.26
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	1	0.26
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	8	0.26
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	15	0.26
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	10	0.26
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	10	0.26
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	10	0.26
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	10	0.26
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	9	0.26
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	11	0.26
(1,637)	1:73:A:MET:HG2	1:74:A:MET:H	3	0.26
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	10	0.26
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	10	0.26
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	14	0.26
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	14	0.26
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	18	0.26
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	2	0.26
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	15	0.26
(1,505)	1:56:A:GLU:H	1:59:A:VAL:HB	15	0.26
(1,438)	1:43:A:GLN:H	1:44:A:LYS:HA	4	0.26
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	19	0.26
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	19	0.26
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	14	0.26
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	14	0.26
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	4	0.26
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	7	0.26
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	19	0.26
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	6	0.26
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	6	0.26
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	6	0.26
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	11	0.26
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	11	0.26
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	11	0.26
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	16	0.26
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	16	0.26
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	16	0.26
(1,128)	1:31:A:PHE:HA	1:33:A:LYS:H	10	0.26
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	2	0.26
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	10	0.25
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	10	0.25
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	10	0.25
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	10	0.25
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	10	0.25
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	18	0.25
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	18	0.25
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	16	0.25
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	16	0.25
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	16	0.25
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	16	0.25
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	16	0.25
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	16	0.25
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	2	0.25
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	2	0.25
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	2	0.25
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	2	0.25
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	2	0.25
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	2	0.25
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	13	0.25
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	13	0.25
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	13	0.25
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	13	0.25
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	13	0.25
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	13	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD11	15	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD12	15	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD13	15	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD21	15	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD22	15	0.25
(1,1608)	1:23:A:ASP:H	1:61:A:LEU:HD23	15	0.25
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	19	0.25
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	19	0.25
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	19	0.25
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	19	0.25
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	6	0.25
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	16	0.25
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	16	0.25
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	16	0.25
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	16	0.25
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	16	0.25
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	17	0.25
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	18	0.25
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	18	0.25
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	18	0.25
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	18	0.25
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	18	0.25
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	18	0.25
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	7	0.25
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	7	0.25
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	14	0.25
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	14	0.25
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	14	0.25
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	14	0.25
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	15	0.25
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	15	0.25
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	15	0.25
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	15	0.25
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	15	0.25
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	15	0.25
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	15	0.25
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	12	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	12	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	12	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	12	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	12	0.25
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	15	0.25
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	15	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	15	0.25
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	15	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	15	0.25
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	15	0.25
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	11	0.25
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	11	0.25
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	11	0.25
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	11	0.25
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	11	0.25
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	11	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	2	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	2	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	3	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	3	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	13	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	13	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	16	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	16	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	19	0.25
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	19	0.25
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	1	0.25
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	4	0.25
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	8	0.25
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	14	0.25
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	15	0.25
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	17	0.25
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	1	0.25
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	1	0.25
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	1	0.25
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD11	15	0.25
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD12	15	0.25
(1,1397)	1:66:A:LEU:HG	1:72:A:ILE:HD13	15	0.25
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	1	0.25
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	10	0.25
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	19	0.25
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	2	0.25
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	4	0.25
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	8	0.25
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	17	0.25
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	7	0.25
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	7	0.25
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	7	0.25
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	7	0.25
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	7	0.25
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	7	0.25
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	7	0.25
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	7	0.25
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	7	0.25
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	15	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	7	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	7	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	7	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	8	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	8	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	8	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	17	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	17	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	17	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	20	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	20	0.25
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	20	0.25
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	19	0.25
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	12	0.25
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	1	0.25
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	1	0.25
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	1	0.25
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	13	0.25
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	13	0.25
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	13	0.25
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	18	0.25
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	18	0.25
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	18	0.25
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	18	0.25
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	18	0.25
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	18	0.25
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	18	0.25
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	18	0.25
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	18	0.25
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	18	0.25
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	18	0.25
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	18	0.25
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	5	0.25
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	5	0.25
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	5	0.25
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	5	0.25
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	5	0.25
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	5	0.25
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	5	0.25
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	5	0.25
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	5	0.25
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	20	0.25
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	20	0.25
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	20	0.25
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	4	0.25
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	14	0.25
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	2	0.25
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	10	0.25
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	10	0.25
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	10	0.25
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	8	0.25
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	20	0.25
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	20	0.25
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	4	0.25
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	4	0.25
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	4	0.25
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	7	0.25
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	7	0.25
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	7	0.25
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	16	0.25
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	16	0.25
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	16	0.25
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	12	0.25
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	13	0.25
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	12	0.25
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	4	0.25
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	8	0.25
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	17	0.25
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	13	0.25
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	1	0.25
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	3	0.25
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	5	0.25
(1,277)	1:9:A:TRP:H	1:12:A:GLN:HA	7	0.25
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	13	0.25
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	1	0.25
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	1	0.25
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	20	0.25
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	20	0.25
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	14	0.25
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	14	0.25
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	14	0.25
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	17	0.25
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	17	0.25
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	17	0.25
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	20	0.25
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	20	0.25
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	14	0.25
(1,92)	1:28:A:LEU:HA	1:30:A:GLN:H	20	0.25
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	2	0.25
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	15	0.25
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	18	0.25
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	19	0.25
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	11	0.25
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	16	0.25
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	17	0.25
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	19	0.25
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	1	0.24
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	5	0.24
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	5	0.24
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	5	0.24
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	5	0.24
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	5	0.24
(1,1846)	1:64:A:LEU:HD11	1:65:A:LYS:HA	13	0.24
(1,1846)	1:64:A:LEU:HD12	1:65:A:LYS:HA	13	0.24
(1,1846)	1:64:A:LEU:HD13	1:65:A:LYS:HA	13	0.24
(1,1846)	1:64:A:LEU:HD21	1:65:A:LYS:HA	13	0.24
(1,1846)	1:64:A:LEU:HD22	1:65:A:LYS:HA	13	0.24
(1,1846)	1:64:A:LEU:HD23	1:65:A:LYS:HA	13	0.24
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	1	0.24
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	3	0.24
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	3	0.24
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	3	0.24
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	3	0.24
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	3	0.24
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	3	0.24
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	5	0.24
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	5	0.24
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	4	0.24
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	6	0.24
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	6	0.24
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	6	0.24
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	6	0.24
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	6	0.24
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	6	0.24
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	15	0.24
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	15	0.24
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	15	0.24
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	15	0.24
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	15	0.24
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	17	0.24
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	19	0.24
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	19	0.24
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	19	0.24
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	19	0.24
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	19	0.24
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	19	0.24
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	9	0.24
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	9	0.24
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	11	0.24
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	11	0.24
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	13	0.24
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	13	0.24
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	2	0.24
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	12	0.24
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	19	0.24
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	19	0.24
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	19	0.24
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	19	0.24
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	19	0.24
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	19	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	5	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	5	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	5	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	5	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	5	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	5	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	12	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	12	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	12	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	12	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	12	0.24
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	12	0.24
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	12	0.24
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	4	0.24
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	4	0.24
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	17	0.24
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	17	0.24
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	19	0.24
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	19	0.24
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	9	0.24
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	9	0.24
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	9	0.24
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	9	0.24
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	9	0.24
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	9	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	5	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	5	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	9	0.24
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	9	0.24
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	7	0.24
(1,1473)	1:39:A:LEU:HB2	1:40:A:PRO:HG3	12	0.24
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	16	0.24
(1,1410)	1:7:A:VAL:HA	1:73:A:MET:HA	9	0.24
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	4	0.24
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	4	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	4	0.24
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	6	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	6	0.24
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	8	0.24
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	8	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	8	0.24
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	12	0.24
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	12	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	12	0.24
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	14	0.24
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	14	0.24
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	14	0.24
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	3	0.24
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	5	0.24
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	9	0.24
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	13	0.24
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	17	0.24
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	16	0.24
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	19	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	17	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	17	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	17	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	17	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	17	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	17	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	17	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	17	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	17	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	19	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	19	0.24
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	19	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	19	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	19	0.24
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	19	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	19	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	19	0.24
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	19	0.24
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	12	0.24
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	12	0.24
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	20	0.24
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	20	0.24
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	9	0.24
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	14	0.24
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	14	0.24
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	14	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	2	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	2	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	2	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	9	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	9	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	9	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	13	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	13	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	13	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	16	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	16	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	16	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	19	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	19	0.24
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	19	0.24
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG21	15	0.24
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG22	15	0.24
(1,1043)	1:32:A:LEU:HA	1:34:A:THR:HG23	15	0.24
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	3	0.24
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	5	0.24
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	14	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	11	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	11	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	11	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	11	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	11	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	11	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	11	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	11	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	11	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	13	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	13	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	13	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	13	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	13	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	13	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	13	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	13	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	17	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	17	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	17	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	17	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	17	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	17	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	17	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	17	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	17	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	19	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	19	0.24
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	19	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	19	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	19	0.24
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	19	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	19	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	19	0.24
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	19	0.24
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	4	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	4	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	4	0.24
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	7	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	7	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	7	0.24
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	8	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	8	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	8	0.24
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	17	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	17	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	17	0.24
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	19	0.24
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	19	0.24
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	19	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	2	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	2	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	2	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	2	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	2	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	2	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	2	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	2	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	12	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	12	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	12	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	12	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	12	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	12	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	12	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	12	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	12	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	18	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	18	0.24
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	18	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	18	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	18	0.24
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	18	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	18	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	18	0.24
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	18	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	6	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	6	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	6	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	7	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	7	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	7	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	8	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	8	0.24
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	8	0.24
(1,877)	1:16:A:VAL:HG21	1:28:A:LEU:HA	18	0.24
(1,877)	1:16:A:VAL:HG22	1:28:A:LEU:HA	18	0.24
(1,877)	1:16:A:VAL:HG23	1:28:A:LEU:HA	18	0.24
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	5	0.24
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	5	0.24
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	5	0.24
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	5	0.24
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	5	0.24
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	5	0.24
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	7	0.24
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	1	0.24
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	1	0.24
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	1	0.24
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	5	0.24
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	5	0.24
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	4	0.24
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	5	0.24
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	17	0.24
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	17	0.24
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	8	0.24
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	8	0.24
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	8	0.24
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	20	0.24
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	20	0.24
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	20	0.24
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	1	0.24
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	5	0.24
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	10	0.24
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	18	0.24
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	9	0.24
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	14	0.24
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	7	0.24
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	15	0.24
(1,573)	1:65:A:LYS:H	1:65:A:LYS:HB3	16	0.24
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	8	0.24
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	12	0.24
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	14	0.24
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	17	0.24
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	4	0.24
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	6	0.24
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	8	0.24
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	17	0.24
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	5	0.24
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	5	0.24
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	13	0.24
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	13	0.24
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	2	0.24
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	2	0.24
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	2	0.24
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	4	0.24
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	4	0.24
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	4	0.24
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	7	0.24
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	7	0.24
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	7	0.24
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	8	0.24
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	8	0.24
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	17	0.24
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	17	0.24
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	6	0.24
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	7	0.24
(1,5)	1:5:A:ILE:HB	1:16:A:VAL:H	18	0.24
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	5	0.23
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	9	0.23
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	10	0.23
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	10	0.23
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	10	0.23
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	10	0.23
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	10	0.23
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	10	0.23
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	7	0.23
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	7	0.23
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	7	0.23
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	7	0.23
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	7	0.23
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	7	0.23
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	16	0.23
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	16	0.23
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	7	0.23
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	7	0.23
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	7	0.23
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	7	0.23
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	3	0.23
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	3	0.23
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	3	0.23
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	3	0.23
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	3	0.23
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	7	0.23
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	8	0.23
(1,1582)	1:19:A:LEU:HD11	1:30:A:GLN:H	10	0.23
(1,1582)	1:19:A:LEU:HD12	1:30:A:GLN:H	10	0.23
(1,1582)	1:19:A:LEU:HD13	1:30:A:GLN:H	10	0.23
(1,1582)	1:19:A:LEU:HD21	1:30:A:GLN:H	10	0.23
(1,1582)	1:19:A:LEU:HD22	1:30:A:GLN:H	10	0.23
(1,1582)	1:19:A:LEU:HD23	1:30:A:GLN:H	10	0.23
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	14	0.23
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	14	0.23
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	9	0.23
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	9	0.23
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	9	0.23
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	9	0.23
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	9	0.23
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	9	0.23
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	9	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	6	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	6	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	17	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	17	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	20	0.23
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	20	0.23
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	16	0.23
(1,1356)	1:5:A:ILE:HA	1:69:A:ASN:HA	20	0.23
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	18	0.23
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	18	0.23
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	18	0.23
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	18	0.23
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	18	0.23
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	18	0.23
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	18	0.23
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	18	0.23
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	2	0.23
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	2	0.23
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	2	0.23
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	2	0.23
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	2	0.23
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	2	0.23
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	2	0.23
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	2	0.23
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	2	0.23
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	8	0.23
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	8	0.23
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	9	0.23
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	9	0.23
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	13	0.23
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	13	0.23
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	2	0.23
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	5	0.23
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	9	0.23
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	17	0.23
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	20	0.23
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	3	0.23
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	3	0.23
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	3	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	4	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	4	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	4	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	11	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	11	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	11	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	12	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	12	0.23
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	12	0.23
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	12	0.23
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	15	0.23
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	15	0.23
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	15	0.23
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	10	0.23
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	11	0.23
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	11	0.23
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	17	0.23
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	17	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	4	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	4	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	4	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	4	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	4	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	4	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	4	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	4	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	4	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	7	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	7	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	7	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	7	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	7	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	7	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	7	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	7	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	7	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	16	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	16	0.23
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	16	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	16	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	16	0.23
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	16	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	16	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	16	0.23
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	16	0.23
(1,900)	1:18:A:THR:HG21	1:28:A:LEU:HG	14	0.23
(1,900)	1:18:A:THR:HG22	1:28:A:LEU:HG	14	0.23
(1,900)	1:18:A:THR:HG23	1:28:A:LEU:HG	14	0.23
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	6	0.23
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	6	0.23
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	6	0.23
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	16	0.23
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	16	0.23
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	8	0.23
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	8	0.23
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	8	0.23
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	8	0.23
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	8	0.23
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	8	0.23
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	8	0.23
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	8	0.23
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	8	0.23
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	2	0.23
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	12	0.23
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	19	0.23
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	3	0.23
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	3	0.23
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	3	0.23
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	11	0.23
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	3	0.23
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	3	0.23
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	15	0.23
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	15	0.23
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	11	0.23
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	11	0.23
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	11	0.23
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	17	0.23
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	17	0.23
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	17	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	3	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	9	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	12	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	13	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	14	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	18	0.23
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	20	0.23
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	14	0.23
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	3	0.23
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	3	0.23
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	19	0.23
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	2	0.23
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	7	0.23
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	16	0.23
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	18	0.23
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	18	0.23
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	18	0.23
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	19	0.23
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	19	0.23
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	19	0.23
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	14	0.23
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	14	0.23
(1,133)	1:31:A:PHE:HB2	1:33:A:LYS:H	15	0.23
(1,133)	1:31:A:PHE:HB3	1:33:A:LYS:H	15	0.23
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	14	0.23
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	8	0.23
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	19	0.23
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	6	0.23
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	8	0.23
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	11	0.23
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	8	0.23
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	14	0.22
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	14	0.22
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	14	0.22
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	14	0.22
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	14	0.22
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	14	0.22
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	1	0.22
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	1	0.22
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	13	0.22
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	13	0.22
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	13	0.22
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	13	0.22
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	1	0.22
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	1	0.22
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	1	0.22
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	1	0.22
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	1	0.22
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	1	0.22
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	12	0.22
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	12	0.22
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	13	0.22
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	13	0.22
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	18	0.22
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:8:A:LYS:HE2	1:71:A:LYS:HG2	12	0.22
(1,1550)	1:8:A:LYS:HE2	1:71:A:LYS:HG3	12	0.22
(1,1550)	1:8:A:LYS:HE3	1:71:A:LYS:HG2	12	0.22
(1,1550)	1:8:A:LYS:HE3	1:71:A:LYS:HG3	12	0.22
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	2	0.22
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	2	0.22
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	20	0.22
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	20	0.22
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	20	0.22
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	20	0.22
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	20	0.22
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	20	0.22
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	20	0.22
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG2	9	0.22
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG3	9	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	8	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	8	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	14	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	14	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	15	0.22
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	15	0.22
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	9	0.22
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	14	0.22
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	2	0.22
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	2	0.22
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	2	0.22
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	2	0.22
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	8	0.22
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	8	0.22
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	8	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	8	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	8	0.22
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	8	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	8	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	8	0.22
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	8	0.22
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	2	0.22
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	4	0.22
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	4	0.22
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	5	0.22
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	5	0.22
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	1	0.22
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	13	0.22
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	14	0.22
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	19	0.22
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	14	0.22
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	4	0.22
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	4	0.22
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	4	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	1	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	1	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	1	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	3	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	3	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	3	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	10	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	10	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	10	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	14	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	14	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	14	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	18	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	18	0.22
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	18	0.22
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	10	0.22
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	3	0.22
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	16	0.22
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	16	0.22
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	19	0.22
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	19	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	2	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	2	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	2	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	2	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	2	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	2	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	2	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	2	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	8	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	8	0.22
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	8	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	8	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	8	0.22
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	8	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	8	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	8	0.22
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	8	0.22
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	2	0.22
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	2	0.22
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	2	0.22
(1,898)	1:18:A:THR:HG21	1:19:A:LEU:HG	11	0.22
(1,898)	1:18:A:THR:HG22	1:19:A:LEU:HG	11	0.22
(1,898)	1:18:A:THR:HG23	1:19:A:LEU:HG	11	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	1	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	1	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	1	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	9	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	9	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	9	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	19	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	19	0.22
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	19	0.22
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	3	0.22
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	6	0.22
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	9	0.22
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	17	0.22
(1,829)	1:9:A:TRP:HA	1:74:A:MET:HB3	20	0.22
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	16	0.22
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	20	0.22
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	10	0.22
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	10	0.22
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	10	0.22
(1,636)	1:9:A:TRP:HB2	1:74:A:MET:H	9	0.22
(1,636)	1:9:A:TRP:HB3	1:74:A:MET:H	9	0.22
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	16	0.22
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	1	0.22
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	3	0.22
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	5	0.22
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	16	0.22
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	5	0.22
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	14	0.22
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	14	0.22
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	15	0.22
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	18	0.22
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	20	0.22
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	11	0.22
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	11	0.22
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	11	0.22
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	9	0.22
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	9	0.22
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	9	0.22
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	18	0.22
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	18	0.22
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	18	0.22
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	1	0.22
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	15	0.22
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	20	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	2	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	4	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	6	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	7	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	11	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	16	0.22
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	18	0.22
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	1	0.22
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	5	0.22
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	4	0.22
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	5	0.22
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	7	0.22
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	16	0.22
(1,53)	1:49:A:LYS:HA	1:52:A:GLY:H	8	0.22
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	4	0.22
(1,1822)	1:59:A:VAL:HG11	1:60:A:LYS:HG3	13	0.21
(1,1822)	1:59:A:VAL:HG12	1:60:A:LYS:HG3	13	0.21
(1,1822)	1:59:A:VAL:HG13	1:60:A:LYS:HG3	13	0.21
(1,1822)	1:59:A:VAL:HG21	1:60:A:LYS:HG3	13	0.21
(1,1822)	1:59:A:VAL:HG22	1:60:A:LYS:HG3	13	0.21
(1,1822)	1:59:A:VAL:HG23	1:60:A:LYS:HG3	13	0.21
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	4	0.21
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	9	0.21
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	9	0.21
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	20	0.21
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	20	0.21
(1,1767)	1:50:A:VAL:HG11	1:53:A:LYS:H	1	0.21
(1,1767)	1:50:A:VAL:HG12	1:53:A:LYS:H	1	0.21
(1,1767)	1:50:A:VAL:HG13	1:53:A:LYS:H	1	0.21
(1,1767)	1:50:A:VAL:HG21	1:53:A:LYS:H	1	0.21
(1,1767)	1:50:A:VAL:HG22	1:53:A:LYS:H	1	0.21
(1,1767)	1:50:A:VAL:HG23	1:53:A:LYS:H	1	0.21
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	19	0.21
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	19	0.21
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	10	0.21
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	10	0.21
(1,1664)	1:33:A:LYS:HE2	1:38:A:VAL:H	13	0.21
(1,1664)	1:33:A:LYS:HE3	1:38:A:VAL:H	13	0.21
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	5	0.21
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	12	0.21
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	18	0.21
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	18	0.21
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	18	0.21
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	18	0.21
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	18	0.21
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	18	0.21
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	12	0.21
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	12	0.21
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	12	0.21
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	12	0.21
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	12	0.21
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	12	0.21
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	1	0.21
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	8	0.21
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	8	0.21
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	10	0.21
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	10	0.21
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	20	0.21
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	20	0.21
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	15	0.21
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	15	0.21
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	6	0.21
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	6	0.21
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	6	0.21
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	6	0.21
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	6	0.21
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	6	0.21
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	6	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	1	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	1	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	4	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	4	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	7	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	7	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD2	12	0.21
(1,1488)	1:39:A:LEU:HG	1:40:A:PRO:HD3	12	0.21
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	14	0.21
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	17	0.21
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	10	0.21
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	10	0.21
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	10	0.21
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	15	0.21
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	15	0.21
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	15	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	1	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	3	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	4	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	5	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	6	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	8	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	9	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	10	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	11	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	13	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	14	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	15	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	16	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	17	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	18	0.21
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	4	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	4	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	4	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	4	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	4	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	4	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	4	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	4	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	4	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	16	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	16	0.21
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	16	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	16	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	16	0.21
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	16	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	16	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	16	0.21
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	16	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	7	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	7	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	16	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	16	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	18	0.21
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	18	0.21
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	7	0.21
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	7	0.21
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	3	0.21
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	4	0.21
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	7	0.21
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	10	0.21
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	16	0.21
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	1	0.21
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	18	0.21
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	18	0.21
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	18	0.21
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	5	0.21
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	5	0.21
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	5	0.21
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	1	0.21
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	1	0.21
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	1	0.21
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	5	0.21
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	5	0.21
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	5	0.21
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	9	0.21
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	9	0.21
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	9	0.21
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	6	0.21
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	6	0.21
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	6	0.21
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	7	0.21
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	7	0.21
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	8	0.21
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	8	0.21
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	15	0.21
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	15	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	1	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	1	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	1	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	1	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	1	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	1	0.21
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	1	0.21
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	1	0.21
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	1	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	6	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	6	0.21
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	6	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	6	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	6	0.21
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	6	0.21
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	6	0.21
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	6	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	7	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	7	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	7	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	7	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	7	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	7	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	7	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	7	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	7	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	15	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	15	0.21
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	15	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	15	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	15	0.21
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	15	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	15	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	15	0.21
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	15	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	3	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	3	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	3	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	17	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	17	0.21
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	17	0.21
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	3	0.21
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	3	0.21
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	3	0.21
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	3	0.21
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	3	0.21
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	3	0.21
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	12	0.21
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	12	0.21
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	12	0.21
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	12	0.21
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	12	0.21
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	12	0.21
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	12	0.21
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	12	0.21
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	17	0.21
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:5:A:ILE:HG21	1:16:A:VAL:HB	18	0.21
(1,784)	1:5:A:ILE:HG22	1:16:A:VAL:HB	18	0.21
(1,784)	1:5:A:ILE:HG23	1:16:A:VAL:HB	18	0.21
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	14	0.21
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	9	0.21
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	9	0.21
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	9	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	2	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	4	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	6	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	7	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	11	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	15	0.21
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	19	0.21
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	17	0.21
(1,574)	1:64:A:LEU:HG	1:65:A:LYS:H	10	0.21
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	18	0.21
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	18	0.21
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	6	0.21
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	11	0.21
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	2	0.21
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	4	0.21
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	6	0.21
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	15	0.21
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	9	0.21
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	20	0.21
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	20	0.21
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	20	0.21
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	1	0.21
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	5	0.21
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	9	0.21
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	10	0.21
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	12	0.21
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	9	0.21
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	13	0.21
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	20	0.21
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	2	0.21
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	2	0.21
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	7	0.21
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	7	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	2	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	5	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	6	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	7	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	8	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	11	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	15	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	16	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	17	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	19	0.21
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	20	0.21
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	13	0.21
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	13	0.21
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	13	0.21
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	3	0.21
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	5	0.21
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	3	0.21
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	10	0.21
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	13	0.21
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	1	0.21
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	12	0.2
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	12	0.2
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	12	0.2
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	12	0.2
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	12	0.2
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	12	0.2
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	7	0.2
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	7	0.2
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	3	0.2
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	10	0.2
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	10	0.2
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	10	0.2
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	10	0.2
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	10	0.2
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	10	0.2
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	2	0.2
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	2	0.2
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	2	0.2
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	6	0.2
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	6	0.2
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	6	0.2
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	6	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	11	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	20	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	20	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	20	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	20	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	20	0.2
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	20	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	10	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	10	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	10	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	10	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	10	0.2
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	10	0.2
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	10	0.2
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	15	0.2
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	15	0.2
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG2	4	0.2
(1,1501)	1:3:A:LEU:HB3	1:21:A:GLU:HG3	4	0.2
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	4	0.2
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	17	0.2
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	17	0.2
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	17	0.2
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	12	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	6	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	6	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	6	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	11	0.2
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	11	0.2
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	15	0.2
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	13	0.2
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	13	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	9	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	9	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	16	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	16	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	20	0.2
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	20	0.2
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	6	0.2
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	1	0.2
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	1	0.2
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	1	0.2
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	1	0.2
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	1	0.2
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	1	0.2
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	13	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	4	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	4	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	4	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	8	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	8	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	8	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	11	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	11	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	11	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	15	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	15	0.2
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	15	0.2
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	4	0.2
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	4	0.2
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	4	0.2
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	16	0.2
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	16	0.2
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	16	0.2
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	2	0.2
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	2	0.2
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	6	0.2
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	6	0.2
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	18	0.2
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	5	0.2
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	5	0.2
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	5	0.2
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	5	0.2
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	5	0.2
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	5	0.2
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	5	0.2
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	5	0.2
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	5	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	4	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	4	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	4	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	4	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	4	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	4	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	4	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	4	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	4	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	13	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	13	0.2
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	13	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	13	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	13	0.2
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	13	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	13	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	13	0.2
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	13	0.2
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	5	0.2
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	5	0.2
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	20	0.2
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	20	0.2
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	2	0.2
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	7	0.2
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	19	0.2
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	18	0.2
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	18	0.2
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	18	0.2
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	18	0.2
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	18	0.2
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	8	0.2
(1,596)	1:68:A:PRO:HB3	1:69:A:ASN:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	4	0.2
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	7	0.2
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	15	0.2
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	16	0.2
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	6	0.2
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	6	0.2
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	6	0.2
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	2	0.2
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	7	0.2
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	8	0.2
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	17	0.2
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	7	0.2
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	18	0.2
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	19	0.2
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	15	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	7	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	9	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	13	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	18	0.2
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	20	0.2
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	15	0.2
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	15	0.2
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	17	0.2
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	17	0.2
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	6	0.2
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	6	0.2
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	16	0.2
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	16	0.2
(1,245)	1:5:A:ILE:HG12	1:6:A:ILE:H	3	0.2
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	1	0.2
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	3	0.2
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	10	0.2
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	15	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	1	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	3	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	9	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	10	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	12	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	13	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	14	0.2
(1,210)	1:26:A:LEU:H	1:26:A:LEU:HB2	18	0.2
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	1	0.2
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	1	0.2
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	3	0.2
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	3	0.2
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	3	0.2
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	5	0.2
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	5	0.2
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	5	0.2
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	12	0.2
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	12	0.2
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	12	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	2	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	8	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	10	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	12	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	13	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	17	0.2
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	18	0.2
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	9	0.2
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	12	0.2
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	13	0.2
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	20	0.2
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	6	0.2
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	11	0.2
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	17	0.2
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	3	0.2
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	13	0.2
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	18	0.19
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	18	0.19
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	18	0.19
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	18	0.19
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	18	0.19
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	18	0.19
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB2	2	0.19
(1,1680)	1:38:A:VAL:H	1:78:A:ARG:HB3	2	0.19
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	20	0.19
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	20	0.19
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	20	0.19
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	20	0.19
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	20	0.19
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	20	0.19
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	11	0.19
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	11	0.19
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	11	0.19
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	14	0.19
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	14	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	2	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	7	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	8	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	8	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	8	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	8	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	8	0.19
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	8	0.19
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	5	0.19
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	5	0.19
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	1	0.19
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	1	0.19
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	12	0.19
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	12	0.19
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	19	0.19
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	19	0.19
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	6	0.19
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	6	0.19
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	6	0.19
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	6	0.19
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	6	0.19
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	6	0.19
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	15	0.19
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	1	0.19
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	5	0.19
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	19	0.19
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:74:A:MET:HA	1:75:A:MET:HG3	19	0.19
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	2	0.19
(1,1348)	1:66:A:LEU:HB3	1:66:A:LEU:HG	19	0.19
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	15	0.19
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	15	0.19
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	15	0.19
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	15	0.19
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	15	0.19
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	15	0.19
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	15	0.19
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	15	0.19
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	15	0.19
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	14	0.19
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	14	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	12	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	12	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	14	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	14	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	15	0.19
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	15	0.19
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG21	15	0.19
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG22	15	0.19
(1,1087)	1:33:A:LYS:HB3	1:34:A:THR:HG23	15	0.19
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	3	0.19
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	3	0.19
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	3	0.19
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	3	0.19
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	3	0.19
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	3	0.19
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	9	0.19
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	3	0.19
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	3	0.19
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	3	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	2	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	2	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	2	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	7	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	7	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	7	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	16	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	16	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	19	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	19	0.19
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	19	0.19
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	6	0.19
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	6	0.19
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	6	0.19
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	8	0.19
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	8	0.19
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	8	0.19
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	11	0.19
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	11	0.19
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	11	0.19
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	20	0.19
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	20	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	3	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	3	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	3	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	3	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	3	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	3	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	3	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	3	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	3	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	10	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	10	0.19
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	10	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	10	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	10	0.19
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	10	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	10	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	10	0.19
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	10	0.19
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	20	0.19
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	20	0.19
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	20	0.19
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	20	0.19
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	20	0.19
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	20	0.19
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	20	0.19
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	20	0.19
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	20	0.19
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	5	0.19
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	5	0.19
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	10	0.19
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	10	0.19
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	10	0.19
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	10	0.19
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	10	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	10	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	10	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	10	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	10	0.19
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	13	0.19
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	13	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	13	0.19
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	13	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	13	0.19
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	13	0.19
(1,852)	1:8:A:LYS:HG3	1:13:A:GLU:HG2	13	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	8	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	8	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	11	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	11	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	15	0.19
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	15	0.19
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	6	0.19
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	8	0.19
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	18	0.19
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	2	0.19
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	2	0.19
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	2	0.19
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	2	0.19
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	20	0.19
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	11	0.19
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	11	0.19
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	11	0.19
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	19	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	1	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	2	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	4	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	8	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	11	0.19
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	16	0.19
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	2	0.19
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	11	0.19
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	16	0.19
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	17	0.19
(1,376)	1:23:A:ASP:H	1:61:A:LEU:H	15	0.19
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	19	0.19
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	19	0.19
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	14	0.19
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	3	0.19
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	3	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	4	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	6	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	7	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	9	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	11	0.19
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	19	0.19
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	1	0.19
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	3	0.19
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	5	0.19
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	10	0.19
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	15	0.19
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	12	0.19
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	14	0.19
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	1	0.19
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	9	0.19
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	14	0.19
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	7	0.19
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	8	0.19
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	19	0.19
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	5	0.19
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	17	0.18
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	17	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	6	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	6	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	6	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	6	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	6	0.18
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	6	0.18
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	15	0.18
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	15	0.18
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	15	0.18
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	15	0.18
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	15	0.18
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	15	0.18
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	4	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	4	0.18
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	8	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	8	0.18
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	10	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	10	0.18
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	11	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	11	0.18
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	20	0.18
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	20	0.18
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	16	0.18
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	16	0.18
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	16	0.18
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	11	0.18
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	11	0.18
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	11	0.18
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	11	0.18
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	11	0.18
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	11	0.18
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	11	0.18
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	11	0.18
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	11	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	1	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	1	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	3	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	3	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	17	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	17	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	19	0.18
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	19	0.18
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	3	0.18
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	3	0.18
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:39:A:LEU:HD21	1:42:A:ARG:HG2	9	0.18
(1,1145)	1:39:A:LEU:HD22	1:42:A:ARG:HG2	9	0.18
(1,1145)	1:39:A:LEU:HD23	1:42:A:ARG:HG2	9	0.18
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	5	0.18
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	5	0.18
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	5	0.18
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	5	0.18
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	5	0.18
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	5	0.18
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	9	0.18
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	9	0.18
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	9	0.18
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	9	0.18
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	9	0.18
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	9	0.18
(1,1019)	1:29:A:LYS:HA	1:29:A:LYS:HD2	18	0.18
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	9	0.18
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	9	0.18
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	9	0.18
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	13	0.18
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	13	0.18
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	13	0.18
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	17	0.18
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	17	0.18
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	17	0.18
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	2	0.18
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	2	0.18
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	2	0.18
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	7	0.18
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	7	0.18
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	7	0.18
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	17	0.18
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	17	0.18
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	17	0.18
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	19	0.18
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	19	0.18
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	19	0.18
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	5	0.18
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	14	0.18
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	14	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	2	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	6	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	6	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	7	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	7	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	8	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	8	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	12	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	12	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	15	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	15	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	20	0.18
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	20	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	8	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	8	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	8	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	10	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	10	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	10	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	10	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	10	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	10	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	10	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	12	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	12	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	12	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	12	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	12	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	12	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	12	0.18
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	12	0.18
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	6	0.18
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	6	0.18
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	6	0.18
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	6	0.18
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	6	0.18
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	6	0.18
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	6	0.18
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	6	0.18
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	6	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	1	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	1	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	10	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	10	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	14	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	14	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	16	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	16	0.18
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	19	0.18
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	11	0.18
(1,651)	1:45:A:LEU:HA	1:75:A:MET:H	3	0.18
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	15	0.18
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	15	0.18
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	15	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	1	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	5	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	9	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	10	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	13	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	14	0.18
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	20	0.18
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	8	0.18
(1,578)	1:65:A:LYS:H	1:65:A:LYS:HB2	19	0.18
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	19	0.18
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	19	0.18
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	16	0.18
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	11	0.18
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	17	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	3	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	6	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	10	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	14	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	17	0.18
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	19	0.18
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	3	0.18
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	19	0.18
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	11	0.18
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	8	0.18
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	8	0.18
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	16	0.18
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	16	0.18
(1,242)	1:6:A:ILE:H	1:71:A:LYS:HA	5	0.18
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	9	0.18
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	9	0.18
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	12	0.18
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	18	0.18
(1,100)	1:28:A:LEU:HA	1:31:A:PHE:H	16	0.18
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	20	0.18
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	10	0.18
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	2	0.18
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	10	0.18
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	4	0.17
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	4	0.17
(1,1803)	1:56:A:GLU:HG2	1:57:A:ASN:H	18	0.17
(1,1803)	1:56:A:GLU:HG3	1:57:A:ASN:H	18	0.17
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	8	0.17
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	8	0.17
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	8	0.17
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	8	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	20	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	20	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	20	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	20	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	20	0.17
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	20	0.17
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	20	0.17
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	5	0.17
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	5	0.17
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	16	0.17
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	16	0.17
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	16	0.17
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	16	0.17
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	16	0.17
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	16	0.17
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	16	0.17
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	16	0.17
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	16	0.17
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	17	0.17
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	17	0.17
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	17	0.17
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	17	0.17
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	17	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	3	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	3	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	3	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	3	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	3	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	3	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	7	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	7	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	7	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	7	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	7	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	7	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	18	0.17
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	18	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	18	0.17
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	18	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	18	0.17
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	18	0.17
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	17	0.17
(1,1506)	1:3:A:LEU:HD11	1:20:A:SER:HA	19	0.17
(1,1506)	1:3:A:LEU:HD12	1:20:A:SER:HA	19	0.17
(1,1506)	1:3:A:LEU:HD13	1:20:A:SER:HA	19	0.17
(1,1506)	1:3:A:LEU:HD21	1:20:A:SER:HA	19	0.17
(1,1506)	1:3:A:LEU:HD22	1:20:A:SER:HA	19	0.17
(1,1506)	1:3:A:LEU:HD23	1:20:A:SER:HA	19	0.17
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	18	0.17
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	7	0.17
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	7	0.17
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	7	0.17
(1,1403)	1:72:A:ILE:HD11	1:74:A:MET:HG3	19	0.17
(1,1403)	1:72:A:ILE:HD12	1:74:A:MET:HG3	19	0.17
(1,1403)	1:72:A:ILE:HD13	1:74:A:MET:HG3	19	0.17
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	12	0.17
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	12	0.17
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	12	0.17
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	12	0.17
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	12	0.17
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	12	0.17
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	12	0.17
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	12	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	2	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	2	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	2	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	8	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	8	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	8	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	17	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	17	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	17	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	19	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	19	0.17
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	19	0.17
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	11	0.17
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	10	0.17
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	10	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	6	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	6	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	10	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	10	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	11	0.17
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	11	0.17
(1,1222)	1:49:A:LYS:HB3	1:52:A:GLY:HA2	18	0.17
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	10	0.17
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	10	0.17
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	10	0.17
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	10	0.17
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	10	0.17
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	10	0.17
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	10	0.17
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	10	0.17
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	10	0.17
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	18	0.17
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	18	0.17
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	18	0.17
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	14	0.17
(1,923)	1:21:A:GLU:HA	1:21:A:GLU:HG2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:21:A:GLU:HA	1:21:A:GLU:HG2	9	0.17
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	5	0.17
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	5	0.17
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	12	0.17
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	12	0.17
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	3	0.17
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	3	0.17
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	14	0.17
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	14	0.17
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	11	0.17
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	11	0.17
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	11	0.17
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	11	0.17
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	11	0.17
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	11	0.17
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	11	0.17
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	11	0.17
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	11	0.17
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	13	0.17
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	13	0.17
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	13	0.17
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	2	0.17
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	2	0.17
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD2	4	0.17
(1,817)	1:8:A:LYS:HA	1:8:A:LYS:HD3	4	0.17
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	15	0.17
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	19	0.17
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	13	0.17
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	13	0.17
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	13	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	2	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	3	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	12	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	15	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	17	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	18	0.17
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	19	0.17
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	12	0.17
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	12	0.17
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	15	0.17
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	3	0.17
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	12	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	2	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	4	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	7	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	8	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	17	0.17
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	19	0.17
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	5	0.17
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	15	0.17
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	18	0.17
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	11	0.17
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	6	0.17
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	7	0.17
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	11	0.17
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	11	0.17
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	7	0.17
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	7	0.17
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	12	0.17
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	12	0.17
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	14	0.17
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	14	0.17
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	16	0.17
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	16	0.17
(1,169)	1:32:A:LEU:HD11	1:36:A:THR:H	10	0.17
(1,169)	1:32:A:LEU:HD12	1:36:A:THR:H	10	0.17
(1,169)	1:32:A:LEU:HD13	1:36:A:THR:H	10	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	4	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	7	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	8	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	14	0.17
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	17	0.17
(1,94)	1:28:A:LEU:HB3	1:30:A:GLN:H	14	0.17
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	13	0.17
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	18	0.17
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	20	0.17
(1,54)	1:50:A:VAL:H	1:55:A:ALA:H	3	0.17
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	16	0.17
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	9	0.17
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	16	0.16
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	16	0.16
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	4	0.16
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	16	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	17	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	19	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	19	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	19	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	19	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	19	0.16
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	19	0.16
(1,1555)	1:13:A:GLU:HG2	1:14:A:TYR:H	3	0.16
(1,1555)	1:13:A:GLU:HG3	1:14:A:TYR:H	3	0.16
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	17	0.16
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	17	0.16
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	17	0.16
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	17	0.16
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	17	0.16
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	17	0.16
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	17	0.16
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	4	0.16
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	4	0.16
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	9	0.16
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	9	0.16
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	9	0.16
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	9	0.16
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	9	0.16
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	9	0.16
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	12	0.16
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	20	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	12	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	12	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	12	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	13	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	13	0.16
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	13	0.16
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	14	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	7	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	7	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	7	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	15	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	15	0.16
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	15	0.16
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	6	0.16
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	20	0.16
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	10	0.16
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	10	0.16
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	10	0.16
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD2	13	0.16
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD2	13	0.16
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD2	13	0.16
(1,1023)	1:25:A:VAL:HG21	1:29:A:LYS:HD3	13	0.16
(1,1023)	1:25:A:VAL:HG22	1:29:A:LYS:HD3	13	0.16
(1,1023)	1:25:A:VAL:HG23	1:29:A:LYS:HD3	13	0.16
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	4	0.16
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	16	0.16
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	20	0.16
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	20	0.16
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	20	0.16
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	1	0.16
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	1	0.16
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	3	0.16
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	3	0.16
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	10	0.16
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	10	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	1	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	1	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	10	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	10	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	13	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	16	0.16
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	16	0.16
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	18	0.16
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	18	0.16
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	18	0.16
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	18	0.16
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	18	0.16
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	18	0.16
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	18	0.16
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	18	0.16
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	18	0.16
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	5	0.16
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	5	0.16
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	5	0.16
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	5	0.16
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	5	0.16
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	5	0.16
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	5	0.16
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	5	0.16
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	14	0.16
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	14	0.16
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	14	0.16
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	14	0.16
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	14	0.16
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	14	0.16
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	14	0.16
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	14	0.16
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	14	0.16
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	4	0.16
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	12	0.16
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	3	0.16
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	7	0.16
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	13	0.16
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	16	0.16
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	9	0.16
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	9	0.16
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	9	0.16
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	4	0.16
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	7	0.16
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	8	0.16
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	16	0.16
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	13	0.16
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	13	0.16
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	1	0.16
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	9	0.16
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	16	0.16
(1,514)	1:57:A:ASN:H	1:57:A:ASN:HB2	5	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	2	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	3	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	5	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	9	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	13	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	16	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	18	0.16
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	19	0.16
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	9	0.16
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	13	0.16
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	8	0.16
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	18	0.16
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	18	0.16
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	5	0.16
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	10	0.16
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	10	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	1	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	2	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	5	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	6	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	9	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	10	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	15	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	19	0.16
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	20	0.16
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	20	0.16
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	4	0.16
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE2	13	0.15
(1,1818)	1:59:A:VAL:HA	1:60:A:LYS:HE3	13	0.15
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	6	0.15
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	6	0.15
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	17	0.15
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	17	0.15
(1,1749)	1:48:A:LEU:HD11	1:49:A:LYS:H	18	0.15
(1,1749)	1:48:A:LEU:HD12	1:49:A:LYS:H	18	0.15
(1,1749)	1:48:A:LEU:HD13	1:49:A:LYS:H	18	0.15
(1,1749)	1:48:A:LEU:HD21	1:49:A:LYS:H	18	0.15
(1,1749)	1:48:A:LEU:HD22	1:49:A:LYS:H	18	0.15
(1,1749)	1:48:A:LEU:HD23	1:49:A:LYS:H	18	0.15
(1,1650)	1:28:A:LEU:HD11	1:61:A:LEU:H	20	0.15
(1,1650)	1:28:A:LEU:HD12	1:61:A:LEU:H	20	0.15
(1,1650)	1:28:A:LEU:HD13	1:61:A:LEU:H	20	0.15
(1,1650)	1:28:A:LEU:HD21	1:61:A:LEU:H	20	0.15
(1,1650)	1:28:A:LEU:HD22	1:61:A:LEU:H	20	0.15
(1,1650)	1:28:A:LEU:HD23	1:61:A:LEU:H	20	0.15
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	4	0.15
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	4	0.15
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	4	0.15
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	4	0.15
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	4	0.15
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	4	0.15
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	18	0.15
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	18	0.15
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	18	0.15
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	18	0.15
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	18	0.15
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	18	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	14	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	14	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	14	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	14	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	14	0.15
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	14	0.15
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	3	0.15
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	3	0.15
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	3	0.15
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	3	0.15
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	3	0.15
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	3	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	2	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	2	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	8	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	8	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	11	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	11	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	13	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	13	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	19	0.15
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	19	0.15
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	2	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	1	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	1	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	1	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	3	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	3	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	3	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	5	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	5	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	5	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	9	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	9	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	9	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	10	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	10	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	10	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	14	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	14	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	14	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	18	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	18	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	18	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	19	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	19	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	20	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	20	0.15
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	20	0.15
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	1	0.15
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	13	0.15
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	17	0.15
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	18	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	4	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	4	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	4	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	20	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	20	0.15
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	20	0.15
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	5	0.15
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	5	0.15
(1,1216)	1:49:A:LYS:HA	1:54:A:PRO:HA	3	0.15
(1,1193)	1:45:A:LEU:HD21	1:74:A:MET:HA	18	0.15
(1,1193)	1:45:A:LEU:HD22	1:74:A:MET:HA	18	0.15
(1,1193)	1:45:A:LEU:HD23	1:74:A:MET:HA	18	0.15
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD2	13	0.15
(1,1163)	1:42:A:ARG:HA	1:42:A:ARG:HD3	13	0.15
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	7	0.15
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	5	0.15
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	5	0.15
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	5	0.15
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	15	0.15
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	15	0.15
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	15	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	12	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	12	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	12	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG11	18	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG12	18	0.15
(1,971)	1:24:A:THR:HB	1:25:A:VAL:HG13	18	0.15
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	1	0.15
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	5	0.15
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	5	0.15
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	11	0.15
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	11	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	3	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	3	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	3	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	3	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	3	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	3	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	3	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	6	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	6	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	6	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	7	0.15
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	7	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	7	0.15
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	7	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	7	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	7	0.15
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	7	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	7	0.15
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	7	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	7	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	7	0.15
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	7	0.15
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	5	0.15
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	9	0.15
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	17	0.15
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	4	0.15
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	18	0.15
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB1	12	0.15
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB2	12	0.15
(1,737)	1:29:A:LYS:HD3	1:55:A:ALA:HB3	12	0.15
(1,723)	1:28:A:LEU:HB3	1:32:A:LEU:H	15	0.15
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	12	0.15
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	12	0.15
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	12	0.15
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	8	0.15
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	8	0.15
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	8	0.15
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	17	0.15
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	17	0.15
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	17	0.15
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	6	0.15
(1,589)	1:66:A:LEU:H	1:67:A:LYS:H	11	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	3	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	3	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	9	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	9	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	14	0.15
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	14	0.15
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	4	0.15
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	5	0.15
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	13	0.15
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	20	0.15
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	6	0.15
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	20	0.15
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	16	0.15
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	11	0.15
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	17	0.15
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	5	0.15
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	5	0.15
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	14	0.15
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	20	0.15
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG2	7	0.15
(1,297)	1:12:A:GLN:H	1:12:A:GLN:HG3	7	0.15
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	15	0.15
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	20	0.15
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	3	0.15
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	11	0.15
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	13	0.15
(1,165)	1:33:A:LYS:HA	1:36:A:THR:H	16	0.15
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	6	0.15
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	11	0.15
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	13	0.15
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	16	0.15
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	17	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	2	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	8	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	11	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	14	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	15	0.15
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	19	0.15
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	9	0.15
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	15	0.15
(1,37)	1:61:A:LEU:HB3	1:62:A:GLY:H	15	0.15
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	12	0.15
(1,29)	1:24:A:THR:H	1:28:A:LEU:H	18	0.15
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	3	0.15
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	6	0.14
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	6	0.14
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	15	0.14
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	15	0.14
(1,1805)	1:56:A:GLU:HG2	1:58:A:ASP:H	16	0.14
(1,1805)	1:56:A:GLU:HG3	1:58:A:ASP:H	16	0.14
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	14	0.14
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	14	0.14
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	20	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	2	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	2	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	2	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	2	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	2	0.14
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	2	0.14
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	2	0.14
(1,1549)	1:8:A:LYS:HE2	1:9:A:TRP:H	17	0.14
(1,1549)	1:8:A:LYS:HE3	1:9:A:TRP:H	17	0.14
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB2	18	0.14
(1,1541)	1:7:A:VAL:HG11	1:74:A:MET:HB3	18	0.14
(1,1541)	1:7:A:VAL:HG12	1:74:A:MET:HB3	18	0.14
(1,1541)	1:7:A:VAL:HG13	1:74:A:MET:HB3	18	0.14
(1,1541)	1:7:A:VAL:HG21	1:74:A:MET:HB3	18	0.14
(1,1541)	1:7:A:VAL:HG22	1:74:A:MET:HB3	18	0.14
(1,1541)	1:7:A:VAL:HG23	1:74:A:MET:HB3	18	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	1	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	1	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	5	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	5	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	12	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	12	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	15	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	15	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	16	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	16	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	18	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	18	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	20	0.14
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	20	0.14
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	2	0.14
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	2	0.14
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	2	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	2	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	2	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	2	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	4	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	4	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	4	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	6	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	6	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	6	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	7	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	7	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	7	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	8	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	8	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	8	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	11	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	11	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	11	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	15	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	15	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	15	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	16	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	16	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	16	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD11	17	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD12	17	0.14
(1,1342)	1:66:A:LEU:HA	1:66:A:LEU:HD13	17	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	1	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	4	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	5	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	7	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	8	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	9	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	10	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	12	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	13	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	14	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	15	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	17	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	18	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	19	0.14
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	20	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	4	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	5	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	7	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	12	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	15	0.14
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	16	0.14
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD11	14	0.14
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD12	14	0.14
(1,1314)	1:63:A:ALA:HB1	1:64:A:LEU:HD13	14	0.14
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD11	14	0.14
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD12	14	0.14
(1,1314)	1:63:A:ALA:HB2	1:64:A:LEU:HD13	14	0.14
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD11	14	0.14
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD12	14	0.14
(1,1314)	1:63:A:ALA:HB3	1:64:A:LEU:HD13	14	0.14
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG11	6	0.14
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG12	6	0.14
(1,1271)	1:55:A:ALA:HB1	1:59:A:VAL:HG13	6	0.14
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG11	6	0.14
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG12	6	0.14
(1,1271)	1:55:A:ALA:HB2	1:59:A:VAL:HG13	6	0.14
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG11	6	0.14
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG12	6	0.14
(1,1271)	1:55:A:ALA:HB3	1:59:A:VAL:HG13	6	0.14
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD2	18	0.14
(1,1225)	1:49:A:LYS:HA	1:49:A:LYS:HD3	18	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	1	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	2	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	4	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	5	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	6	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	8	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	9	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	13	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	16	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	17	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	19	0.14
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	1	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	2	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	3	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	4	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	5	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	6	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	7	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	10	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	11	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	13	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	14	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	15	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	16	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	17	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	18	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	19	0.14
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	20	0.14
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	1	0.14
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	1	0.14
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	1	0.14
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	10	0.14
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	10	0.14
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	10	0.14
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	18	0.14
(1,922)	1:21:A:GLU:HB2	1:61:A:LEU:HB2	13	0.14
(1,922)	1:21:A:GLU:HB3	1:61:A:LEU:HB2	13	0.14
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB2	18	0.14
(1,916)	1:20:A:SER:HA	1:21:A:GLU:HB3	18	0.14
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD11	12	0.14
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD12	12	0.14
(1,911)	1:18:A:THR:HG21	1:19:A:LEU:HD13	12	0.14
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD11	12	0.14
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD12	12	0.14
(1,911)	1:18:A:THR:HG22	1:19:A:LEU:HD13	12	0.14
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD11	12	0.14
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD12	12	0.14
(1,911)	1:18:A:THR:HG23	1:19:A:LEU:HD13	12	0.14
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	1	0.14
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	1	0.14
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	1	0.14
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	1	0.14
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	1	0.14
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	1	0.14
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	1	0.14
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	1	0.14
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	1	0.14
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	1	0.14
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	1	0.14
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	1	0.14
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	16	0.14
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	16	0.14
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	16	0.14
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	16	0.14
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	16	0.14
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	16	0.14
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	16	0.14
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	16	0.14
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	16	0.14
(1,821)	1:9:A:TRP:HB2	1:74:A:MET:HG2	5	0.14
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	1	0.14
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	3	0.14
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	9	0.14
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	11	0.14
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	17	0.14
(1,723)	1:28:A:LEU:HB3	1:32:A:LEU:H	14	0.14
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	4	0.14
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	4	0.14
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	4	0.14
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	8	0.14
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	8	0.14
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	8	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	1	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	1	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	1	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	2	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	2	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	2	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	4	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	4	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	6	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	6	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	6	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	7	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	7	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	7	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	9	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	9	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	9	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	11	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	11	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	11	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	12	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	12	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	12	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	13	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	13	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	13	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	14	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	14	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	14	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	16	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	16	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	16	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	18	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	18	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	18	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	19	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	19	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	19	0.14
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	20	0.14
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	20	0.14
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	20	0.14
(1,617)	1:66:A:LEU:HD21	1:71:A:LYS:H	19	0.14
(1,617)	1:66:A:LEU:HD22	1:71:A:LYS:H	19	0.14
(1,617)	1:66:A:LEU:HD23	1:71:A:LYS:H	19	0.14
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	4	0.14
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	4	0.14
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	5	0.14
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	10	0.14
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	10	0.14
(1,539)	1:24:A:THR:HA	1:60:A:LYS:H	14	0.14
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	1	0.14
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	8	0.14
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	15	0.14
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	1	0.14
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	4	0.14
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	8	0.14
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	14	0.14
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	15	0.14
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	14	0.14
(1,393)	1:24:A:THR:H	1:28:A:LEU:HB2	20	0.14
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	15	0.14
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	15	0.14
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	15	0.14
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	2	0.14
(1,383)	1:23:A:ASP:H	1:60:A:LYS:HB3	19	0.14
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	6	0.14
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	13	0.14
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	13	0.14
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	15	0.14
(1,324)	1:16:A:VAL:HB	1:18:A:THR:H	20	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	6	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	9	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	11	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	12	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	14	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	17	0.14
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	18	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	1	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	2	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	5	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	7	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	8	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	14	0.14
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	19	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	1	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	4	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	6	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	7	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	12	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	13	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	16	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	17	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	18	0.14
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	20	0.14
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	2	0.14
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	6	0.14
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	7	0.14
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	8	0.14
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	11	0.14
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	18	0.14
(1,1845)	1:64:A:LEU:HD11	1:65:A:LYS:H	12	0.13
(1,1845)	1:64:A:LEU:HD12	1:65:A:LYS:H	12	0.13
(1,1845)	1:64:A:LEU:HD13	1:65:A:LYS:H	12	0.13
(1,1845)	1:64:A:LEU:HD21	1:65:A:LYS:H	12	0.13
(1,1845)	1:64:A:LEU:HD22	1:65:A:LYS:H	12	0.13
(1,1845)	1:64:A:LEU:HD23	1:65:A:LYS:H	12	0.13
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	15	0.13
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	15	0.13
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	19	0.13
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	19	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD11	12	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD12	12	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD13	12	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD21	12	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD22	12	0.13
(1,1746)	1:48:A:LEU:HA	1:48:A:LEU:HD23	12	0.13
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD2	20	0.13
(1,1605)	1:22:A:ASP:HB2	1:60:A:LYS:HD3	20	0.13
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD2	20	0.13
(1,1605)	1:22:A:ASP:HB3	1:60:A:LYS:HD3	20	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD11	4	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD12	4	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD13	4	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD21	4	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD22	4	0.13
(1,1602)	1:22:A:ASP:H	1:61:A:LEU:HD23	4	0.13
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	15	0.13
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	15	0.13
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD12	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD23	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD12	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD23	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD12	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD23	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD12	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD23	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD12	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD23	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD11	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD12	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD13	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD21	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD22	4	0.13
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD23	4	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD11	13	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD12	13	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD13	13	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD21	13	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD22	13	0.13
(1,1557)	1:14:A:TYR:HB2	1:35:A:LEU:HD23	13	0.13
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD11	13	0.13
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD13	13	0.13
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD21	13	0.13
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD22	13	0.13
(1,1557)	1:14:A:TYR:HB3	1:35:A:LEU:HD23	13	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	3	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	3	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	7	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	7	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	10	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	10	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	14	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	14	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	17	0.13
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	17	0.13
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE2	13	0.13
(1,1519)	1:6:A:ILE:HG21	1:8:A:LYS:HE3	13	0.13
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE2	13	0.13
(1,1519)	1:6:A:ILE:HG22	1:8:A:LYS:HE3	13	0.13
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE2	13	0.13
(1,1519)	1:6:A:ILE:HG23	1:8:A:LYS:HE3	13	0.13
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	5	0.13
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	9	0.13
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	9	0.13
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	9	0.13
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	9	0.13
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	19	0.13
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	19	0.13
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	19	0.13
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	19	0.13
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	2	0.13
(1,1331)	1:65:A:LYS:HG2	1:65:A:LYS:HD2	3	0.13
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	2	0.13
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	9	0.13
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	10	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	7	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	9	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	12	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	14	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	18	0.13
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	20	0.13
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	14	0.13
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	14	0.13
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	18	0.13
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	18	0.13
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	18	0.13
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	3	0.13
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	3	0.13
(1,1195)	1:46:A:LEU:HA	1:46:A:LEU:HG	12	0.13
(1,984)	1:25:A:VAL:HG11	1:26:A:LEU:HA	13	0.13
(1,984)	1:25:A:VAL:HG12	1:26:A:LEU:HA	13	0.13
(1,984)	1:25:A:VAL:HG13	1:26:A:LEU:HA	13	0.13
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	8	0.13
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	9	0.13
(1,983)	1:26:A:LEU:HA	1:26:A:LEU:HG	12	0.13
(1,972)	1:25:A:VAL:HG21	1:29:A:LYS:HE3	3	0.13
(1,972)	1:25:A:VAL:HG22	1:29:A:LYS:HE3	3	0.13
(1,972)	1:25:A:VAL:HG23	1:29:A:LYS:HE3	3	0.13
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	17	0.13
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	17	0.13
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	17	0.13
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	17	0.13
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	17	0.13
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	17	0.13
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	17	0.13
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	17	0.13
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG11	9	0.13
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG12	9	0.13
(1,879)	1:2:A:ALA:HB1	1:16:A:VAL:HG13	9	0.13
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG11	9	0.13
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG12	9	0.13
(1,879)	1:2:A:ALA:HB2	1:16:A:VAL:HG13	9	0.13
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG11	9	0.13
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG12	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:2:A:ALA:HB3	1:16:A:VAL:HG13	9	0.13
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	2	0.13
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	2	0.13
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	2	0.13
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	2	0.13
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	2	0.13
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	2	0.13
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	14	0.13
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	14	0.13
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	14	0.13
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	14	0.13
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	14	0.13
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	14	0.13
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	13	0.13
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	1	0.13
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	2	0.13
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	5	0.13
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	8	0.13
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	12	0.13
(1,713)	1:25:A:VAL:HG11	1:26:A:LEU:H	14	0.13
(1,713)	1:25:A:VAL:HG12	1:26:A:LEU:H	14	0.13
(1,713)	1:25:A:VAL:HG13	1:26:A:LEU:H	14	0.13
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	3	0.13
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	3	0.13
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	3	0.13
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	5	0.13
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	5	0.13
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	5	0.13
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	10	0.13
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	10	0.13
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	10	0.13
(1,680)	1:34:A:THR:HG21	1:36:A:THR:H	15	0.13
(1,680)	1:34:A:THR:HG22	1:36:A:THR:H	15	0.13
(1,680)	1:34:A:THR:HG23	1:36:A:THR:H	15	0.13
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	1	0.13
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	1	0.13
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	17	0.13
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	17	0.13
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	6	0.13
(1,533)	1:59:A:VAL:H	1:59:A:VAL:HB	11	0.13
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	1	0.13
(1,473)	1:45:A:LEU:HG	1:46:A:LEU:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:45:A:LEU:HG	1:46:A:LEU:H	20	0.13
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	4	0.13
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	14	0.13
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	7	0.13
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	10	0.13
(1,414)	1:39:A:LEU:H	1:41:A:GLU:H	12	0.13
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	5	0.13
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	8	0.13
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	9	0.13
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	13	0.13
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	20	0.13
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	19	0.13
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	19	0.13
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	19	0.13
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	7	0.13
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	8	0.13
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	16	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	1	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	2	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	3	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	5	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	7	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	8	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	10	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	16	0.13
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	19	0.13
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	14	0.13
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	19	0.13
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	19	0.13
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	3	0.13
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	4	0.13
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	10	0.13
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	12	0.13
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	18	0.13
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	3	0.13
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	5	0.13
(1,120)	1:30:A:GLN:HG3	1:32:A:LEU:H	10	0.13
(1,84)	1:28:A:LEU:HB2	1:29:A:LYS:H	15	0.13
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	4	0.13
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	6	0.13
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	1	0.13
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	8	0.13
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	9	0.13
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	11	0.13
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	16	0.13
(1,1773)	1:50:A:VAL:HG11	1:64:A:LEU:HG	8	0.12
(1,1773)	1:50:A:VAL:HG12	1:64:A:LEU:HG	8	0.12
(1,1773)	1:50:A:VAL:HG13	1:64:A:LEU:HG	8	0.12
(1,1773)	1:50:A:VAL:HG21	1:64:A:LEU:HG	8	0.12
(1,1773)	1:50:A:VAL:HG22	1:64:A:LEU:HG	8	0.12
(1,1773)	1:50:A:VAL:HG23	1:64:A:LEU:HG	8	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD11	18	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD12	18	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD13	18	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD21	18	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD22	18	0.12
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD23	18	0.12
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	1	0.12
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	1	0.12
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	1	0.12
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	1	0.12
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	1	0.12
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	1	0.12
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE2	16	0.12
(1,1603)	1:22:A:ASP:HA	1:60:A:LYS:HE3	16	0.12
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	6	0.12
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	6	0.12
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	8	0.12
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	8	0.12
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB2	20	0.12
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB3	20	0.12
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	8	0.12
(1,1444)	1:38:A:VAL:HA	1:78:A:ARG:HA	7	0.12
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	10	0.12
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	10	0.12
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	10	0.12
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	10	0.12
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	3	0.12
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	8	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	1	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	2	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	3	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	5	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	6	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	8	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	10	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	11	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	13	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	15	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	16	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	17	0.12
(1,1320)	1:64:A:LEU:HA	1:65:A:LYS:HA	19	0.12
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	12	0.12
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	12	0.12
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	12	0.12
(1,1006)	1:28:A:LEU:HG	1:29:A:LYS:HE3	8	0.12
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	13	0.12
(1,965)	1:25:A:VAL:HA	1:27:A:ASP:HB3	20	0.12
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	9	0.12
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	9	0.12
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	9	0.12
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	9	0.12
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	9	0.12
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	9	0.12
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	9	0.12
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	9	0.12
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	15	0.12
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	15	0.12
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	15	0.12
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	15	0.12
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	15	0.12
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	15	0.12
(1,777)	1:5:A:ILE:HG12	1:72:A:ILE:HG12	10	0.12
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	20	0.12
(1,723)	1:28:A:LEU:HB3	1:32:A:LEU:H	20	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	3	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	3	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	3	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	5	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	5	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	5	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	6	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	6	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	6	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	10	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	10	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	10	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	13	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	13	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	13	0.12
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	17	0.12
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	17	0.12
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	17	0.12
(1,648)	1:74:A:MET:HG2	1:75:A:MET:H	16	0.12
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	7	0.12
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	7	0.12
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	16	0.12
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	16	0.12
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	16	0.12
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	19	0.12
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	19	0.12
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	19	0.12
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	8	0.12
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	8	0.12
(1,560)	1:60:A:LYS:HB2	1:61:A:LEU:H	20	0.12
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	9	0.12
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	12	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	1	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	2	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	3	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	6	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	7	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	10	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	11	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	14	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	16	0.12
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	18	0.12
(1,402)	1:25:A:VAL:H	1:59:A:VAL:HA	17	0.12
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	6	0.12
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	6	0.12
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	6	0.12
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	10	0.12
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	18	0.12
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	2	0.12
(1,377)	1:23:A:ASP:H	1:62:A:GLY:H	19	0.12
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	1	0.12
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	1	0.12
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	16	0.12
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	16	0.12
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	4	0.12
(1,280)	1:8:A:LYS:HB3	1:9:A:TRP:H	13	0.12
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	8	0.12
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	8	0.12
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	3	0.12
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	13	0.12
(1,130)	1:30:A:GLN:HA	1:33:A:LYS:H	15	0.12
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	1	0.12
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	5	0.12
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	16	0.12
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	11	0.12
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	17	0.12
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	19	0.12
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	20	0.12
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	11	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	4	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	6	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	7	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	10	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	12	0.12
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	13	0.12
(1,1806)	1:56:A:GLU:HG2	1:59:A:VAL:H	2	0.11
(1,1806)	1:56:A:GLU:HG3	1:59:A:VAL:H	2	0.11
(1,1715)	1:43:A:GLN:HG2	1:76:A:GLY:HA2	7	0.11
(1,1715)	1:43:A:GLN:HG2	1:76:A:GLY:HA3	7	0.11
(1,1715)	1:43:A:GLN:HG3	1:76:A:GLY:HA2	7	0.11
(1,1715)	1:43:A:GLN:HG3	1:76:A:GLY:HA3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	11	0.11
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	11	0.11
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	11	0.11
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	11	0.11
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	11	0.11
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	11	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	1	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	1	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	2	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	2	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	3	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	3	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	5	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	5	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	10	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	10	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	11	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	11	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	13	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	13	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	17	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	17	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	19	0.11
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	19	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD23	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD23	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD23	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD23	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD11	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD12	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD13	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD21	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD22	6	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD23	6	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD23	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD23	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD23	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD23	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD23	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD11	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD12	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD13	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD21	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD22	11	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD23	11	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD11	1:28:A:LEU:HD23	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD12	1:28:A:LEU:HD23	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD13	1:28:A:LEU:HD23	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD21	1:28:A:LEU:HD23	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD22	1:28:A:LEU:HD23	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD11	16	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD12	16	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD13	16	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD21	16	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD22	16	0.11
(1,1581)	1:19:A:LEU:HD23	1:28:A:LEU:HD23	16	0.11
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	6	0.11
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	8	0.11
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	12	0.11
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	16	0.11
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	16	0.11
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	16	0.11
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	16	0.11
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	16	0.11
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	16	0.11
(1,1553)	1:10:A:GLY:HA2	1:12:A:GLN:H	18	0.11
(1,1553)	1:10:A:GLY:HA3	1:12:A:GLN:H	18	0.11
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	6	0.11
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	6	0.11
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB2	9	0.11
(1,1525)	1:7:A:VAL:H	1:71:A:LYS:HB3	9	0.11
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE2	16	0.11
(1,1521)	1:6:A:ILE:HG21	1:71:A:LYS:HE3	16	0.11
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE2	16	0.11
(1,1521)	1:6:A:ILE:HG22	1:71:A:LYS:HE3	16	0.11
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE2	16	0.11
(1,1521)	1:6:A:ILE:HG23	1:71:A:LYS:HE3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB2	14	0.11
(1,1496)	1:3:A:LEU:H	1:20:A:SER:HB3	14	0.11
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	2	0.11
(1,1483)	1:3:A:LEU:HB3	1:68:A:PRO:HA	3	0.11
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	16	0.11
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	16	0.11
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	16	0.11
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	16	0.11
(1,1337)	1:66:A:LEU:HD11	1:70:A:THR:HB	12	0.11
(1,1337)	1:66:A:LEU:HD12	1:70:A:THR:HB	12	0.11
(1,1337)	1:66:A:LEU:HD13	1:70:A:THR:HB	12	0.11
(1,1332)	1:65:A:LYS:HB3	1:65:A:LYS:HD3	20	0.11
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	19	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	9	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	9	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	9	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	10	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	10	0.11
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	10	0.11
(1,1304)	1:63:A:ALA:HA	1:64:A:LEU:HG	18	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	2	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	2	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	2	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	2	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	2	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	2	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	2	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	2	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	2	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	6	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	6	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	6	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	6	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	6	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	6	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	6	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	6	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	6	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	7	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	7	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	7	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	7	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	7	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	7	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	7	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	7	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	11	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	11	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	11	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	11	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	11	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	11	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	11	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	11	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	11	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	15	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	15	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	15	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	15	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	15	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	15	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	15	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	15	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	15	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	16	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	16	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	16	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	16	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	16	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	16	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	16	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	16	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	16	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	17	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	17	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	17	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	17	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	17	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	17	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	17	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	17	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	17	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	19	0.11
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	19	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	19	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	19	0.11
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	19	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	19	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	19	0.11
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	19	0.11
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	4	0.11
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	4	0.11
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG21	7	0.11
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG22	7	0.11
(1,1197)	1:46:A:LEU:HB2	1:72:A:ILE:HG23	7	0.11
(1,969)	1:25:A:VAL:HG11	1:57:A:ASN:HA	12	0.11
(1,969)	1:25:A:VAL:HG12	1:57:A:ASN:HA	12	0.11
(1,969)	1:25:A:VAL:HG13	1:57:A:ASN:HA	12	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	13	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	13	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	13	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	16	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	16	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	16	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	16	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	16	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	16	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	16	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	19	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	19	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	19	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	19	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	19	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	19	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	19	0.11
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	19	0.11
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG11	18	0.11
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG12	18	0.11
(1,878)	1:5:A:ILE:HB	1:16:A:VAL:HG13	18	0.11
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	4	0.11
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	4	0.11
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	4	0.11
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	4	0.11
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	4	0.11
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	4	0.11
(1,770)	1:6:A:ILE:HG21	1:15:A:SER:HB2	14	0.11
(1,770)	1:6:A:ILE:HG21	1:15:A:SER:HB3	14	0.11
(1,770)	1:6:A:ILE:HG22	1:15:A:SER:HB2	14	0.11
(1,770)	1:6:A:ILE:HG22	1:15:A:SER:HB3	14	0.11
(1,770)	1:6:A:ILE:HG23	1:15:A:SER:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:6:A:ILE:HG23	1:15:A:SER:HB3	14	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	1	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	1	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	2	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	2	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	3	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	3	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	4	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	4	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	5	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	5	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	6	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	6	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	7	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	7	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	8	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	8	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	9	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	9	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	10	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	10	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	11	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	11	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	12	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	12	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	13	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	13	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	14	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	14	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	15	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	15	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	16	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	16	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	17	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	17	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	18	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	18	0.11
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	20	0.11
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	20	0.11
(1,722)	1:18:A:THR:HG21	1:32:A:LEU:H	16	0.11
(1,722)	1:18:A:THR:HG22	1:32:A:LEU:H	16	0.11
(1,722)	1:18:A:THR:HG23	1:32:A:LEU:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:75:A:MET:H	1:76:A:GLY:H	7	0.11
(1,628)	1:46:A:LEU:HB2	1:73:A:MET:H	19	0.11
(1,628)	1:46:A:LEU:HB3	1:73:A:MET:H	19	0.11
(1,604)	1:70:A:THR:H	1:70:A:THR:HB	17	0.11
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	2	0.11
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	2	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	2	0.11
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	4	0.11
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	4	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	4	0.11
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	8	0.11
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	8	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	8	0.11
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	15	0.11
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	15	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	15	0.11
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	17	0.11
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	17	0.11
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	17	0.11
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	16	0.11
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	16	0.11
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	3	0.11
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	13	0.11
(1,487)	1:49:A:LYS:H	1:50:A:VAL:HA	8	0.11
(1,473)	1:45:A:LEU:HG	1:46:A:LEU:H	17	0.11
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	6	0.11
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	7	0.11
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	9	0.11
(1,453)	1:45:A:LEU:H	1:74:A:MET:HA	17	0.11
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	4	0.11
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	15	0.11
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	17	0.11
(1,410)	1:53:A:LYS:H	1:54:A:PRO:HA	19	0.11
(1,402)	1:25:A:VAL:H	1:59:A:VAL:HA	7	0.11
(1,402)	1:25:A:VAL:H	1:59:A:VAL:HA	8	0.11
(1,402)	1:25:A:VAL:H	1:59:A:VAL:HA	19	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	2	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	2	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	2	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	16	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	16	0.11
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	1	0.11
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	4	0.11
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	5	0.11
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	12	0.11
(1,379)	1:23:A:ASP:H	1:24:A:THR:H	15	0.11
(1,379)	1:23:A:ASP:H	1:24:A:THR:H	20	0.11
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	3	0.11
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	3	0.11
(1,369)	1:21:A:GLU:HG3	1:22:A:ASP:H	10	0.11
(1,369)	1:21:A:GLU:HG2	1:22:A:ASP:H	10	0.11
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	1	0.11
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	10	0.11
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	12	0.11
(1,335)	1:2:A:ALA:HA	1:20:A:SER:H	18	0.11
(1,324)	1:16:A:VAL:HB	1:18:A:THR:H	4	0.11
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	20	0.11
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	20	0.11
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	1	0.11
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	3	0.11
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	5	0.11
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	13	0.11
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	15	0.11
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	3	0.11
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	10	0.11
(1,78)	1:27:A:ASP:H	1:29:A:LYS:H	12	0.11
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	17	0.11
(1,74)	1:27:A:ASP:H	1:29:A:LYS:HB2	19	0.11
(1,60)	1:50:A:VAL:H	1:54:A:PRO:HA	12	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	2	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	4	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	6	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	7	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	14	0.11
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	16	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	3	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	5	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	10	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	13	0.11
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	17	0.11
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	2	0.11
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	17	0.11
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:5:A:ILE:HA	1:16:A:VAL:H	20	0.11
(1,1828)	1:59:A:VAL:HG11	1:65:A:LYS:H	20	0.1
(1,1828)	1:59:A:VAL:HG12	1:65:A:LYS:H	20	0.1
(1,1828)	1:59:A:VAL:HG13	1:65:A:LYS:H	20	0.1
(1,1828)	1:59:A:VAL:HG21	1:65:A:LYS:H	20	0.1
(1,1828)	1:59:A:VAL:HG22	1:65:A:LYS:H	20	0.1
(1,1828)	1:59:A:VAL:HG23	1:65:A:LYS:H	20	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD11	10	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD12	10	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD13	10	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD21	10	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD22	10	0.1
(1,1739)	1:46:A:LEU:HA	1:46:A:LEU:HD23	10	0.1
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE2	3	0.1
(1,1617)	1:24:A:THR:HG21	1:60:A:LYS:HE3	3	0.1
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE2	3	0.1
(1,1617)	1:24:A:THR:HG22	1:60:A:LYS:HE3	3	0.1
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE2	3	0.1
(1,1617)	1:24:A:THR:HG23	1:60:A:LYS:HE3	3	0.1
(1,1597)	1:21:A:GLU:HG2	1:62:A:GLY:H	7	0.1
(1,1597)	1:21:A:GLU:HG3	1:62:A:GLY:H	7	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	4	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	4	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	6	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	6	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	7	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	7	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	8	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	8	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	9	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	9	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	12	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	12	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	16	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	16	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB2	18	0.1
(1,1588)	1:20:A:SER:H	1:20:A:SER:HB3	18	0.1
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	1	0.1
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	1	0.1
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	1	0.1
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	1	0.1
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	1	0.1
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	2	0.1
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	4	0.1
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	7	0.1
(1,1570)	1:19:A:LEU:HD11	1:20:A:SER:HA	18	0.1
(1,1570)	1:19:A:LEU:HD12	1:20:A:SER:HA	18	0.1
(1,1570)	1:19:A:LEU:HD13	1:20:A:SER:HA	18	0.1
(1,1570)	1:19:A:LEU:HD21	1:20:A:SER:HA	18	0.1
(1,1570)	1:19:A:LEU:HD22	1:20:A:SER:HA	18	0.1
(1,1570)	1:19:A:LEU:HD23	1:20:A:SER:HA	18	0.1
(1,1553)	1:10:A:GLY:HA2	1:12:A:GLN:H	3	0.1
(1,1553)	1:10:A:GLY:HA3	1:12:A:GLN:H	3	0.1
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG3	5	0.1
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG3	5	0.1
(1,1416)	1:73:A:MET:HB2	1:75:A:MET:HG2	5	0.1
(1,1416)	1:73:A:MET:HB3	1:75:A:MET:HG2	5	0.1
(1,1329)	1:65:A:LYS:HB2	1:65:A:LYS:HD3	20	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	3	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	3	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	3	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB1	13	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB2	13	0.1
(1,1305)	1:61:A:LEU:HA	1:63:A:ALA:HB3	13	0.1
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG21	8	0.1
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG22	8	0.1
(1,1268)	1:55:A:ALA:HB1	1:59:A:VAL:HG23	8	0.1
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG21	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG22	8	0.1
(1,1268)	1:55:A:ALA:HB2	1:59:A:VAL:HG23	8	0.1
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG21	8	0.1
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG22	8	0.1
(1,1268)	1:55:A:ALA:HB3	1:59:A:VAL:HG23	8	0.1
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG2	11	0.1
(1,1234)	1:50:A:VAL:HB	1:51:A:LYS:HG3	11	0.1
(1,1193)	1:45:A:LEU:HD21	1:74:A:MET:HA	13	0.1
(1,1193)	1:45:A:LEU:HD22	1:74:A:MET:HA	13	0.1
(1,1193)	1:45:A:LEU:HD23	1:74:A:MET:HA	13	0.1
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG21	1:17:A:THR:HG23	11	0.1
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG22	1:17:A:THR:HG23	11	0.1
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG23	1:17:A:THR:HG23	11	0.1
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG11	1:17:A:THR:HG23	11	0.1
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG12	1:17:A:THR:HG23	11	0.1
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG21	11	0.1
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG22	11	0.1
(1,894)	1:16:A:VAL:HG13	1:17:A:THR:HG23	11	0.1
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB2	18	0.1
(1,874)	1:16:A:VAL:HG21	1:31:A:PHE:HB3	18	0.1
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB2	18	0.1
(1,874)	1:16:A:VAL:HG22	1:31:A:PHE:HB3	18	0.1
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB2	18	0.1
(1,874)	1:16:A:VAL:HG23	1:31:A:PHE:HB3	18	0.1
(1,766)	1:6:A:ILE:HG13	1:71:A:LYS:HA	14	0.1
(1,756)	1:4:A:PRO:HD2	1:5:A:ILE:HA	19	0.1
(1,756)	1:4:A:PRO:HD3	1:5:A:ILE:HA	19	0.1
(1,748)	1:3:A:LEU:HB3	1:4:A:PRO:HG2	9	0.1
(1,673)	1:79:A:GLU:HA	1:80:A:GLU:H	13	0.1
(1,604)	1:70:A:THR:H	1:70:A:THR:HB	15	0.1
(1,564)	1:63:A:ALA:HB1	1:64:A:LEU:H	7	0.1
(1,564)	1:63:A:ALA:HB2	1:64:A:LEU:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:63:A:ALA:HB3	1:64:A:LEU:H	7	0.1
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG3	15	0.1
(1,563)	1:64:A:LEU:H	1:65:A:LYS:HG2	15	0.1
(1,516)	1:57:A:ASN:H	1:57:A:ASN:HB3	20	0.1
(1,473)	1:45:A:LEU:HG	1:46:A:LEU:H	6	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	11	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	11	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	11	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG21	17	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG22	17	0.1
(1,389)	1:23:A:ASP:H	1:24:A:THR:HG23	17	0.1
(1,386)	1:23:A:ASP:H	1:61:A:LEU:HB2	17	0.1
(1,379)	1:23:A:ASP:H	1:24:A:THR:H	14	0.1
(1,328)	1:19:A:LEU:H	1:20:A:SER:H	12	0.1
(1,328)	1:19:A:LEU:H	1:20:A:SER:H	18	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	4	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	6	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	8	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	11	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	16	0.1
(1,253)	1:7:A:VAL:H	1:7:A:VAL:HB	17	0.1
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	5	0.1
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	5	0.1
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB2	12	0.1
(1,250)	1:7:A:VAL:H	1:15:A:SER:HB3	12	0.1
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	1	0.1
(1,224)	1:1:A:MET:HA	1:2:A:ALA:H	16	0.1
(1,219)	1:1:A:MET:HB2	1:3:A:LEU:H	4	0.1
(1,219)	1:1:A:MET:HB3	1:3:A:LEU:H	4	0.1
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	9	0.1
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	10	0.1
(1,81)	1:25:A:VAL:HA	1:29:A:LYS:H	12	0.1
(1,50)	1:19:A:LEU:HG	1:24:A:THR:H	8	0.1
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	1	0.1
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	8	0.1
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	16	0.1
(1,15)	1:61:A:LEU:HA	1:63:A:ALA:H	19	0.1

10 Dihedral-angle violation analysis

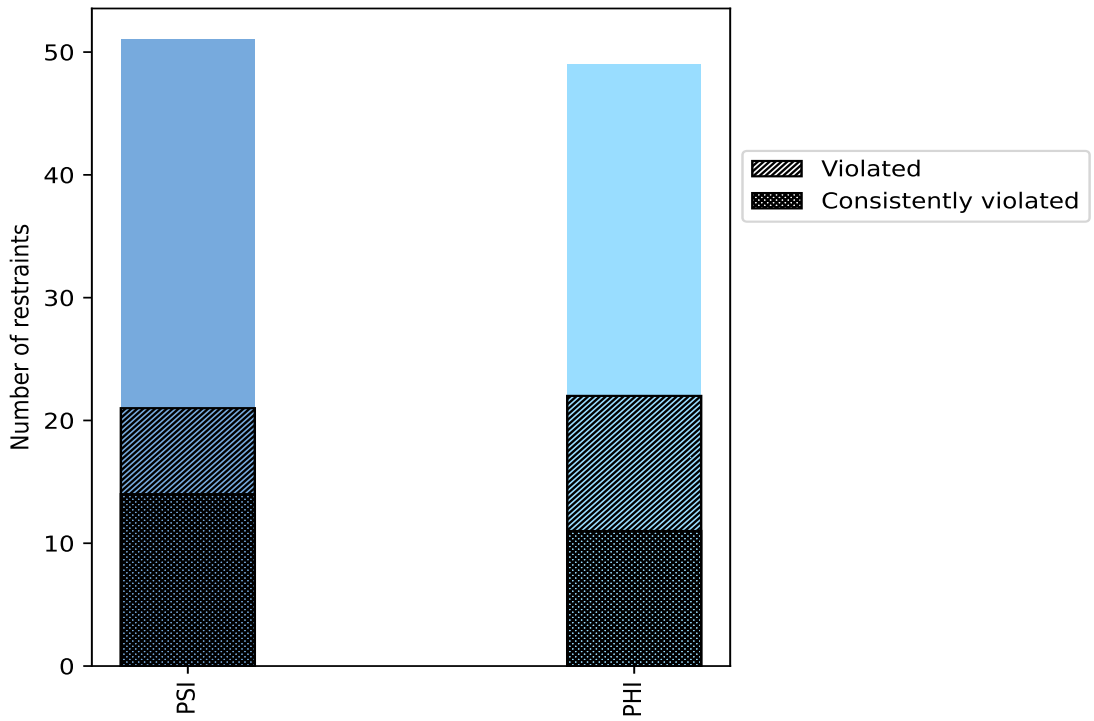
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	51	51.0	21	41.2	21.0	14	27.5	14.0
PHI	49	49.0	22	44.9	22.0	11	22.4	11.0
Total	100	100.0	43	43.0	43.0	25	25.0	25.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



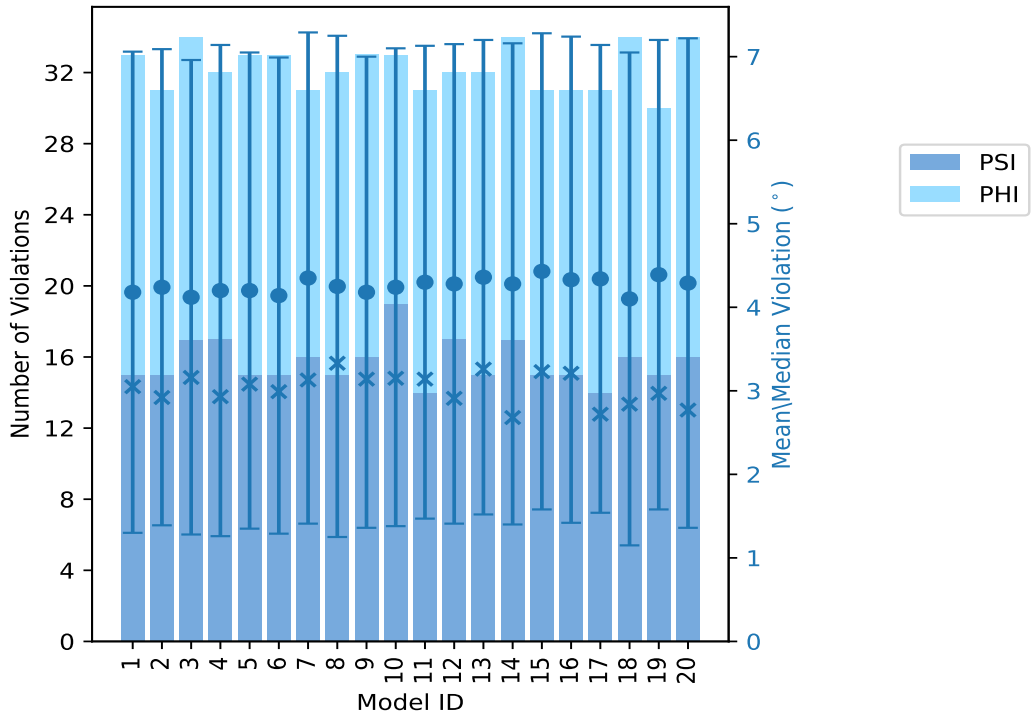
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	15	18	33	4.18	12.32	2.88	3.05
2	15	16	31	4.24	12.42	2.85	2.92
3	17	17	34	4.12	12.05	2.84	3.16
4	17	15	32	4.2	12.51	2.94	2.93
5	15	18	33	4.2	12.13	2.85	3.08
6	15	18	33	4.14	12.37	2.85	2.99
7	16	15	31	4.35	12.47	2.94	3.13
8	15	17	32	4.25	12.88	3.0	3.33
9	16	17	33	4.18	11.93	2.82	3.14
10	19	14	33	4.24	12.1	2.86	3.15
11	14	17	31	4.3	12.21	2.83	3.14
12	17	15	32	4.28	12.56	2.87	2.91
13	15	17	32	4.36	11.77	2.84	3.26
14	17	17	34	4.28	12.52	2.88	2.68
15	15	16	31	4.43	12.39	2.85	3.23
16	15	16	31	4.33	12.19	2.91	3.21
17	14	17	31	4.34	12.78	2.8	2.72
18	16	18	34	4.1	12.65	2.95	2.84
19	15	15	30	4.39	12.38	2.81	2.97
20	16	18	34	4.29	12.33	2.93	2.77

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
1	1	2	1	5.0
0	3	3	2	10.0
2	0	2	3	15.0
1	0	1	4	20.0
1	0	1	5	25.0
0	0	0	6	30.0
0	0	0	7	35.0
1	1	2	8	40.0
0	0	0	9	45.0
1	1	2	10	50.0
0	0	0	11	55.0

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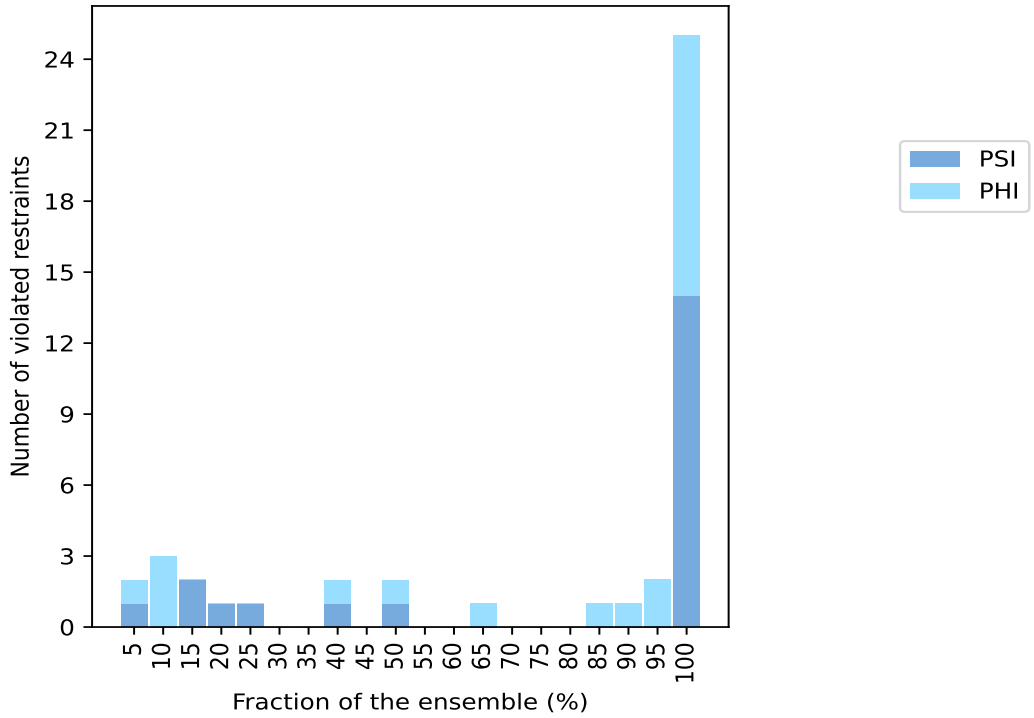
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
0	1	1	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	1	1	17	85.0
0	1	1	18	90.0
0	2	2	19	95.0
14	11	25	20	100.0

[1] Number of models with violations

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

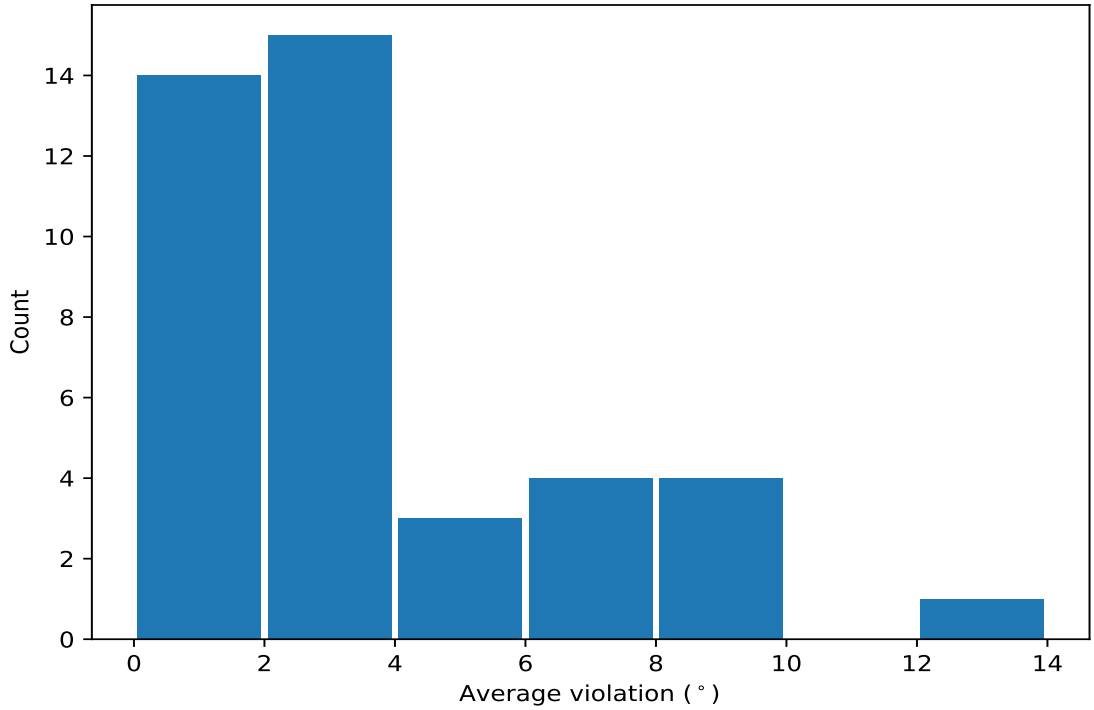


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	20	12.35	0.27	12.38
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	20	9.32	0.32	9.32
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	20	8.52	0.19	8.53
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	20	8.19	0.27	8.18
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	20	8.13	0.43	8.02
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	20	7.89	0.19	7.9
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	20	7.69	0.23	7.74
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	20	6.37	0.87	6.03
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	20	6.08	0.36	6.1
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	20	5.64	0.14	5.63
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	20	4.82	1.12	4.8
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	20	4.73	1.02	5.0
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	20	3.76	0.21	3.78
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	20	3.5	0.72	3.86
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	20	3.4	0.24	3.4
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	20	3.06	0.28	3.15
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	20	2.72	0.38	2.72
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	20	2.61	1.67	1.92
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	20	2.46	0.24	2.52
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	20	2.44	0.33	2.32

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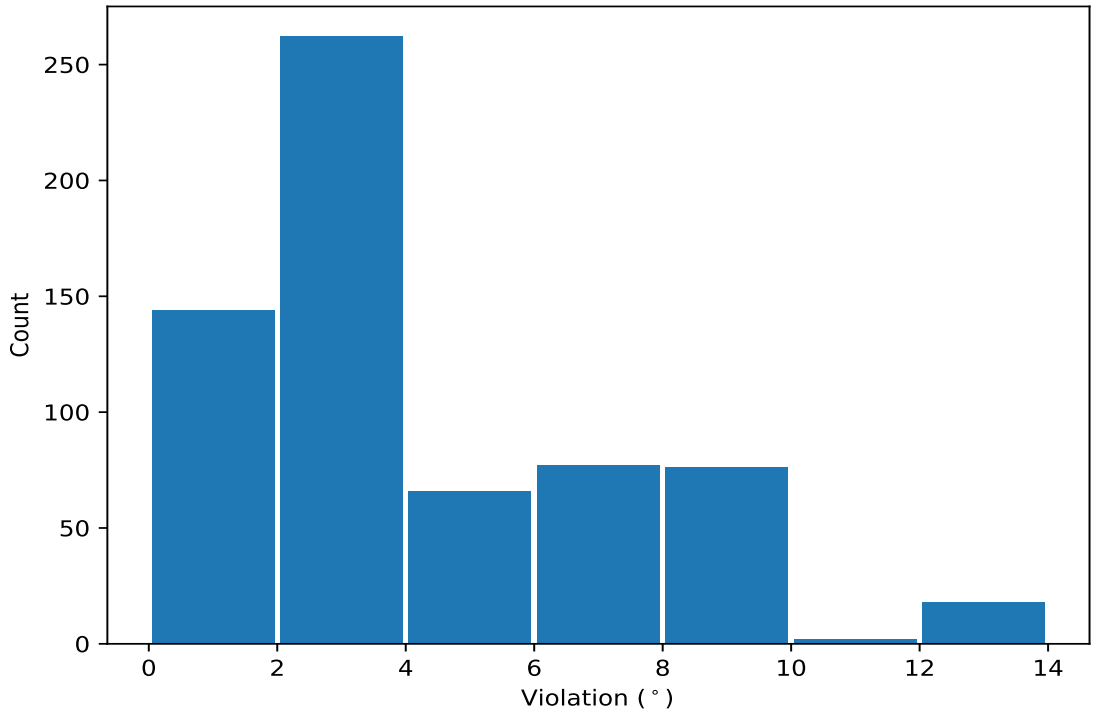
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	20	2.09	0.2	2.09
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	20	2.06	0.18	2.06
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	20	2.03	0.29	2.02
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	20	1.89	0.37	1.83
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	1.81	0.31	1.78
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	19	2.59	0.48	2.46
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	19	1.77	0.52	1.6
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	18	2.16	0.83	1.85
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	17	2.02	0.17	2.07
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	13	1.7	0.36	1.69
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	10	2.52	0.51	2.54
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	10	1.55	0.44	1.42
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	8	1.56	0.5	1.3
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	8	1.38	0.38	1.16
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	5	1.9	0.29	1.8
(1,53)	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1:39:A:LEU:N	4	1.67	0.74	1.3
(1,5)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:ILE:N	3	1.13	0.09	1.17
(1,11)	1:7:A:VAL:N	1:7:A:VAL:CA	1:7:A:VAL:C	1:8:A:LYS:N	3	1.06	0.07	1.02
(1,16)	1:11:A:GLY:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	2	1.42	0.4	1.42
(1,79)	1:62:A:GLY:C	1:63:A:ALA:N	1:63:A:ALA:CA	1:63:A:ALA:C	2	1.1	0.06	1.1
(1,18)	1:12:A:GLN:C	1:13:A:GLU:N	1:13:A:GLU:CA	1:13:A:GLU:C	2	1.07	0.06	1.07

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



10.5.2 Table: All violated dihedral-angle restraints

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	8	12.88
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	17	12.78
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	18	12.65
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	12	12.56
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	14	12.52
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	4	12.51
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	7	12.47
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	2	12.42
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	15	12.39
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	19	12.38
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	6	12.37
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	20	12.33
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	1	12.32
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	11	12.21
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	16	12.19
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	5	12.13
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	10	12.1
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	3	12.05
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	9	11.93
(1,49)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:THR:N	13	11.77
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	13	9.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	18	9.82
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	7	9.75
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	9	9.66
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	4	9.55
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	8	9.48
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	16	9.41
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	20	9.4
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	5	9.35
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	3	9.34
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1	9.29
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	14	9.27
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	12	9.23
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	6	9.13
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	10	9.13
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	19	9.0
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	11	8.95
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	11	8.95
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	18	8.92
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	15	8.88
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	10	8.87
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	2	8.86
(1,52)	1:37:A:GLY:C	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	17	8.86
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	7	8.85
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	5	8.82
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	4	8.78
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	1	8.68
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	18	8.68
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	12	8.66
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	9	8.66
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	13	8.63
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	8	8.63
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	16	8.59
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	14	8.57
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	16	8.56
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	13	8.55
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	20	8.51
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	7	8.5
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	13	8.5
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	15	8.48
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	6	8.48
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	16	8.48
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	5	8.47
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	3	8.44
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	20	8.44
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	3	8.38
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	17	8.35
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	6	8.32
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	9	8.31
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	3	8.3
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	11	8.3
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	19	8.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	15	8.29
(1,56)	1:40:A:PRO:N	1:40:A:PRO:CA	1:40:A:PRO:C	1:41:A:GLU:N	2	8.25
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	19	8.24
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	14	8.21
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	10	8.18
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	17	8.17
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	10	8.16
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	20	8.16
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	8	8.12
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	17	8.12
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	3	8.1
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	11	8.09
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	18	8.08
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	1	8.07
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	15	8.05
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	2	8.04
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1	8.04
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	8	8.04
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	12	8.03
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	4	8.03
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1	8.02
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	7	8.02
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	12	8.01
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	10	8.01
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	11	7.98
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	6	7.94
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	8	7.91
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	14	7.91
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	12	7.91
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	5	7.9
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	5	7.89
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	15	7.89
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	8	7.89
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	2	7.88
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	16	7.85
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	18	7.84
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	6	7.84
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	20	7.84
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	4	7.83
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	7	7.79
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	13	7.79
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	2	7.78
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	9	7.78
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	9	7.77
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	14	7.77
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	19	7.77
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	6	7.76
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	4	7.76
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	18	7.76
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	19	7.75
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	1	7.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	4	7.72
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	16	7.72
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	9	7.69
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	3	7.66
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	17	7.65
(1,51)	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	1:37:A:GLY:N	5	7.65
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	9	7.65
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	11	7.64
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	13	7.63
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	19	7.63
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	12	7.61
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	7	7.6
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	13	7.58
(1,59)	1:41:A:GLU:C	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	2	7.57
(1,50)	1:35:A:LEU:C	1:36:A:THR:N	1:36:A:THR:CA	1:36:A:THR:C	17	7.56
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	10	7.47
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	5	7.39
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	14	7.31
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	10	7.3
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	15	7.26
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	14	7.25
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	20	7.21
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	1	7.2
(1,86)	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1:70:A:THR:N	20	7.19
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	10	7.16
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	20	7.14
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	3	6.92
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	14	6.85
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	15	6.61
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	12	6.57
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	19	6.47
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	20	6.45
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	14	6.43
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	1	6.32
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	8	6.26
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	7	6.21
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	2	6.2
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	4	6.19
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	19	6.18
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	14	6.18
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	15	6.18
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	12	6.14
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	20	6.14
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	8	6.11
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	16	6.08
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	9	6.05
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	3	6.04
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	6	6.01
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	2	6.0
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	4	6.0
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	5	5.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	6	5.95
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	15	5.95
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	17	5.92
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	11	5.91
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	4	5.89
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	15	5.89
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	18	5.83
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	3	5.81
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	7	5.79
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	5	5.79
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	13	5.79
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	11	5.79
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	16	5.78
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	17	5.76
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	4	5.72
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	13	5.7
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	19	5.69
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	18	5.68
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	1	5.68
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	9	5.63
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	18	5.63
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	17	5.62
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	16	5.6
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	17	5.58
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	16	5.58
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	6	5.56
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	14	5.54
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	8	5.53
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	12	5.53
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	2	5.52
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	8	5.51
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	7	5.46
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	10	5.46
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	7	5.45
(1,47)	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1:35:A:LEU:N	20	5.45
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	12	5.4
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	18	5.31
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	20	5.3
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	6	5.29
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	19	5.29
(1,60)	1:42:A:ARG:N	1:42:A:ARG:CA	1:42:A:ARG:C	1:43:A:GLN:N	11	5.26
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	15	5.25
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	10	5.19
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	2	5.1
(1,72)	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1:54:A:PRO:N	15	5.06
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	3	5.02
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	13	4.93
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	8	4.92
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	1	4.86
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	11	4.75
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	5	4.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	7	4.68
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	2	4.63
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	11	4.61
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	6	4.53
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	16	4.47
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	12	4.36
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	17	4.26
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	7	4.17
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	18	4.16
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	8	4.16
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	18	4.15
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	18	4.14
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	2	4.07
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	4	4.05
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	8	3.97
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	19	3.96
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	4	3.96
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	12	3.94
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	6	3.93
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	6	3.93
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	4	3.92
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	12	3.92
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	17	3.92
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	16	3.92
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	14	3.91
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	19	3.88
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	7	3.87
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	11	3.86
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	12	3.85
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	20	3.84
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	9	3.83
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	8	3.79
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	9	3.78
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	14	3.78
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	14	3.77
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	8	3.67
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	1	3.67
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	16	3.67
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	5	3.62
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	13	3.61
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	7	3.6
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	10	3.58
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	4	3.58
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	13	3.53
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	1	3.5
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	10	3.5
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	5	3.5
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	3	3.49
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	11	3.49
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	1	3.49
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	5	3.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	15	3.48
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	2	3.48
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	19	3.47
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	5	3.46
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	11	3.46
(1,46)	1:33:A:LYS:C	1:34:A:THR:N	1:34:A:THR:CA	1:34:A:THR:C	2	3.45
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	1	3.45
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	6	3.44
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	3	3.41
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	3	3.4
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	17	3.4
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	13	3.39
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	20	3.38
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	10	3.37
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	13	3.37
(1,74)	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1:60:A:LYS:N	9	3.35
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	13	3.34
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	10	3.32
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	14	3.31
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	17	3.3
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	3	3.28
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	20	3.27
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	3	3.27
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	16	3.25
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	10	3.25
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	9	3.24
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	5	3.24
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	15	3.24
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1	3.23
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	15	3.23
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	9	3.23
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	16	3.21
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	3	3.19
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	18	3.19
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	9	3.19
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	13	3.17
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	10	3.15
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	13	3.15
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	15	3.14
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	9	3.14
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	11	3.14
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	3	3.14
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	7	3.13
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	18	3.13
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	16	3.12
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	6	3.11
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	5	3.08
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	11	3.07
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1	3.05
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	18	3.03
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	12	3.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	16	3.01
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	6	2.99
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	8	2.99
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	4	2.98
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	19	2.98
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	19	2.96
(1,53)	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1:39:A:LEU:N	10	2.95
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	9	2.93
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	2	2.92
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	11	2.92
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	3	2.88
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	4	2.88
(1,39)	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1:31:A:PHE:N	5	2.88
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	20	2.87
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	1	2.84
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	15	2.83
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	10	2.82
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	14	2.82
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	19	2.82
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	12	2.8
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	2	2.79
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	2	2.76
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	1	2.73
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	17	2.72
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	13	2.71
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	9	2.7
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	3	2.69
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	5	2.68
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	20	2.67
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	18	2.65
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	12	2.63
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	17	2.62
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	10	2.61
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	7	2.59
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	12	2.58
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	13	2.58
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	7	2.57
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	13	2.57
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	19	2.57
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	17	2.56
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	4	2.56
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	14	2.55
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	14	2.55
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	13	2.54
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	10	2.53
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	19	2.53
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	17	2.53
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	1	2.52
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	2	2.52
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	5	2.52
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	9	2.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	5	2.51
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	12	2.51
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	14	2.51
(1,4)	1:3:A:LEU:N	1:3:A:LEU:CA	1:3:A:LEU:C	1:4:A:PRO:N	17	2.51
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	5	2.5
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	18	2.49
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	20	2.48
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	7	2.48
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	8	2.48
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1	2.48
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	19	2.48
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	10	2.47
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	15	2.47
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	6	2.46
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	9	2.46
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	8	2.45
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	9	2.44
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	9	2.42
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	17	2.42
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	18	2.4
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	11	2.39
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	12	2.38
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	20	2.37
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	17	2.37
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	6	2.36
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	20	2.36
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	17	2.35
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	16	2.34
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	3	2.34
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	20	2.32
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	6	2.31
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	16	2.29
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	15	2.29
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	11	2.29
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	15	2.29
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	2	2.29
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	8	2.28
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	18	2.28
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	11	2.28
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	17	2.28
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	19	2.28
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	9	2.28
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	4	2.27
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	5	2.27
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	15	2.27
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	10	2.26
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	12	2.26
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	11	2.25
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	16	2.25
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	18	2.25
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	13	2.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	20	2.25
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	3	2.23
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	6	2.23
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	14	2.23
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	13	2.22
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	14	2.22
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1	2.22
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	19	2.22
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	20	2.22
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	9	2.22
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	6	2.21
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	3	2.21
(1,57)	1:40:A:PRO:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	10	2.21
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	7	2.21
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	7	2.2
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	14	2.2
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	15	2.2
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	14	2.2
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	19	2.19
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	14	2.19
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	2	2.18
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	16	2.18
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	7	2.17
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	11	2.17
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	4	2.17
(1,85)	1:68:A:PRO:C	1:69:A:ASN:N	1:69:A:ASN:CA	1:69:A:ASN:C	4	2.16
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	3	2.16
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	6	2.16
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	11	2.16
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	19	2.16
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	6	2.16
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	18	2.14
(1,71)	1:52:A:GLY:C	1:53:A:LYS:N	1:53:A:LYS:CA	1:53:A:LYS:C	1	2.14
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	2	2.14
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	17	2.14
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	18	2.14
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	17	2.13
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	4	2.13
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	9	2.13
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	11	2.13
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	20	2.12
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	2	2.12
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	19	2.11
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	16	2.1
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	20	2.09
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	6	2.08
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	1	2.08
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	18	2.07
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	14	2.07
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	7	2.07
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	13	2.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	17	2.06
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	14	2.06
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	14	2.06
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	15	2.06
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	16	2.06
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	7	2.05
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	2	2.05
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	7	2.05
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	1	2.05
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	8	2.05
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	12	2.05
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	8	2.04
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	10	2.04
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	15	2.03
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	19	2.03
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	10	2.02
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	17	2.01
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	19	2.0
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	12	2.0
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	13	2.0
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	1	2.0
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	15	1.99
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	3	1.99
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	12	1.98
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	8	1.98
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	13	1.97
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	7	1.96
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	10	1.96
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	16	1.95
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	5	1.95
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	20	1.95
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	6	1.94
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	15	1.93
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	5	1.93
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	11	1.91
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	6	1.9
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	3	1.9
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1	1.9
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	9	1.89
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	5	1.89
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	13	1.88
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	14	1.88
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	13	1.88
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	18	1.88
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	14	1.87
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	13	1.86
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	10	1.86
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	4	1.86
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	16	1.86
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	3	1.86
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	10	1.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	17	1.85
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	5	1.85
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	1.85
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	12	1.85
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	4	1.84
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	12	1.84
(1,16)	1:11:A:GLY:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	18	1.82
(1,54)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	12	1.81
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	8	1.81
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	20	1.81
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	1	1.8
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	4	1.8
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	4	1.8
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	15	1.8
(1,41)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:LEU:N	3	1.79
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	6	1.79
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	2	1.79
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	1.79
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	5	1.78
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	3	1.78
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	5	1.77
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	12	1.74
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	1	1.74
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	11	1.74
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	20	1.72
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	9	1.71
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	5	1.7
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	9	1.69
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	12	1.69
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	19	1.68
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	14	1.68
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	15	1.67
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	2	1.67
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	2	1.66
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	3	1.65
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	3	1.64
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	18	1.62
(1,9)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:VAL:N	18	1.61
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	4	1.61
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	7	1.61
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	16	1.6
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	8	1.59
(1,37)	1:29:A:LYS:N	1:29:A:LYS:CA	1:29:A:LYS:C	1:30:A:GLN:N	14	1.58
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	7	1.58
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	5	1.57
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	17	1.56
(1,34)	1:27:A:ASP:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	9	1.56
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	7	1.54
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	11	1.53
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	9	1.53
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	4	1.51

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:ASP:N	4	1.51
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	8	1.51
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	4	1.49
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	19	1.49
(1,45)	1:33:A:LYS:N	1:33:A:LYS:CA	1:33:A:LYS:C	1:34:A:THR:N	10	1.48
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	16	1.48
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	6	1.46
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	18	1.44
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	10	1.44
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	8	1.43
(1,8)	1:5:A:ILE:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	11	1.42
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	1	1.41
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	2	1.4
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	9	1.4
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	18	1.39
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	13	1.38
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	2	1.37
(1,24)	1:19:A:LEU:C	1:20:A:SER:N	1:20:A:SER:CA	1:20:A:SER:C	6	1.37
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	11	1.36
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	3	1.32
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	20	1.32
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	11	1.31
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	1	1.31
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	8	1.3
(1,53)	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1:39:A:LEU:N	2	1.3
(1,53)	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1:39:A:LEU:N	19	1.3
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	6	1.29
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	16	1.29
(1,40)	1:30:A:GLN:C	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	15	1.27
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	16	1.26
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	9	1.26
(1,67)	1:49:A:LYS:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	8	1.25
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	18	1.24
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	6	1.22
(1,5)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:ILE:N	4	1.22
(1,77)	1:61:A:LEU:C	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	7	1.21
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	5	1.21
(1,78)	1:62:A:GLY:N	1:62:A:GLY:CA	1:62:A:GLY:C	1:63:A:ALA:N	20	1.19
(1,97)	1:76:A:GLY:C	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	5	1.18
(1,79)	1:62:A:GLY:C	1:63:A:ALA:N	1:63:A:ALA:CA	1:63:A:ALA:C	20	1.17
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	13	1.17
(1,5)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:ILE:N	3	1.17
(1,11)	1:7:A:VAL:N	1:7:A:VAL:CA	1:7:A:VAL:C	1:8:A:LYS:N	4	1.16
(1,53)	1:38:A:VAL:N	1:38:A:VAL:CA	1:38:A:VAL:C	1:39:A:LEU:N	7	1.14
(1,18)	1:12:A:GLN:C	1:13:A:GLU:N	1:13:A:GLU:CA	1:13:A:GLU:C	8	1.13
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	17	1.12
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	16	1.11
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	18	1.1
(1,93)	1:73:A:MET:C	1:74:A:MET:N	1:74:A:MET:CA	1:74:A:MET:C	14	1.08
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	2	1.08
(1,58)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:ARG:N	10	1.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	1	1.08
(1,38)	1:29:A:LYS:C	1:30:A:GLN:N	1:30:A:GLN:CA	1:30:A:GLN:C	3	1.08
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	12	1.05
(1,92)	1:73:A:MET:N	1:73:A:MET:CA	1:73:A:MET:C	1:74:A:MET:N	14	1.05
(1,63)	1:44:A:LYS:C	1:45:A:LEU:N	1:45:A:LEU:CA	1:45:A:LEU:C	20	1.05
(1,79)	1:62:A:GLY:C	1:63:A:ALA:N	1:63:A:ALA:CA	1:63:A:ALA:C	15	1.04
(1,61)	1:43:A:GLN:C	1:44:A:LYS:N	1:44:A:LYS:CA	1:44:A:LYS:C	18	1.03
(1,11)	1:7:A:VAL:N	1:7:A:VAL:CA	1:7:A:VAL:C	1:8:A:LYS:N	8	1.02
(1,18)	1:12:A:GLN:C	1:13:A:GLU:N	1:13:A:GLU:CA	1:13:A:GLU:C	1	1.01
(1,16)	1:11:A:GLY:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	6	1.01
(1,11)	1:7:A:VAL:N	1:7:A:VAL:CA	1:7:A:VAL:C	1:8:A:LYS:N	12	1.0
(1,5)	1:4:A:PRO:N	1:4:A:PRO:CA	1:4:A:PRO:C	1:5:A:ILE:N	10	1.0