



Full wwPDB NMR Structure Validation Report ⓘ

Mar 19, 2026 – 07:41 PM UTC

PDB ID : 6VGB / pdb_00006vgb
BMRB ID : 30708
Title : De novo designed Rossmann fold protein ROS2_36830
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Deposited on : 2020-01-07

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

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A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ 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 ⓘ](#)) were used in the production of this report:

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

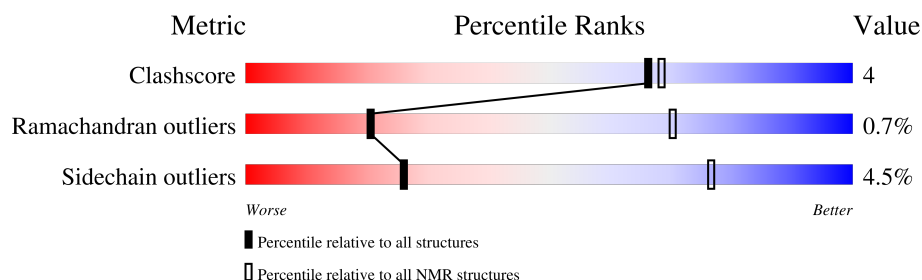
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 79%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	121	

2 Ensemble composition and analysis

This entry contains 20 models. Model 4 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:22-A:121 (100)	0.97	4

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

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

The models can be grouped into 3 clusters. No single-model clusters were found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 1706 atoms, of which 888 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called De novo designed protein RO2_20.

Mol	Chain	Residues	Atoms						Trace
1	A	100	Total	C	H	N	O	S	0
			1706	525	888	139	153	1	

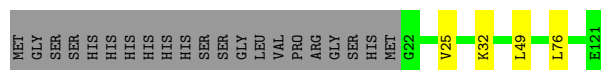
4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: De novo designed protein RO2_20

Chain A: 



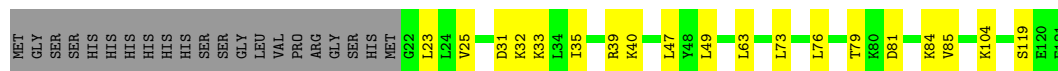
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: De novo designed protein RO2_20

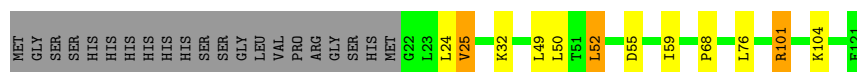
Chain A: 



4.2.2 Score per residue for model 2

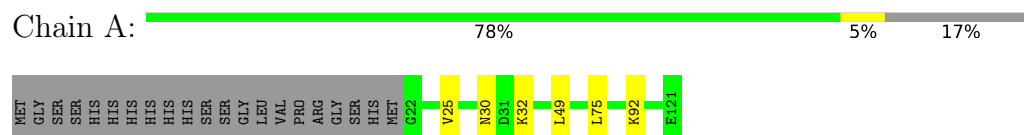
- Molecule 1: De novo designed protein RO2_20

Chain A: 



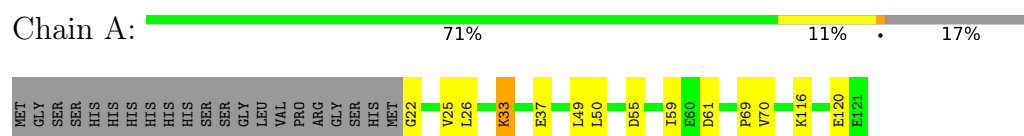
4.2.3 Score per residue for model 3

- Molecule 1: De novo designed protein RO2_20



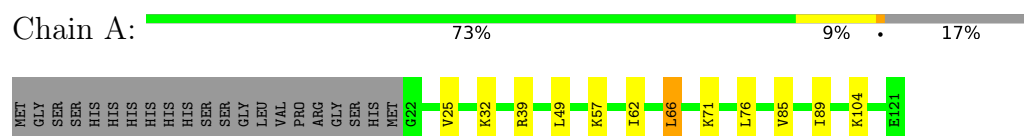
4.2.4 Score per residue for model 4 (medoid)

- Molecule 1: De novo designed protein RO2_20



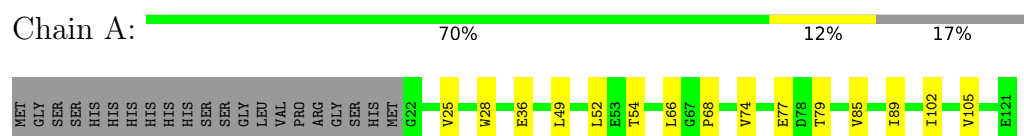
4.2.5 Score per residue for model 5

- Molecule 1: De novo designed protein RO2_20



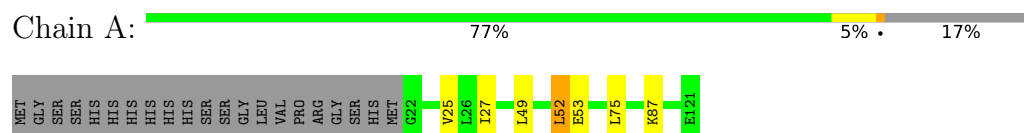
4.2.6 Score per residue for model 6

- Molecule 1: De novo designed protein RO2_20



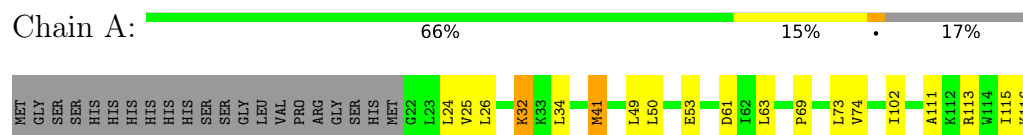
4.2.7 Score per residue for model 7

- Molecule 1: De novo designed protein RO2_20



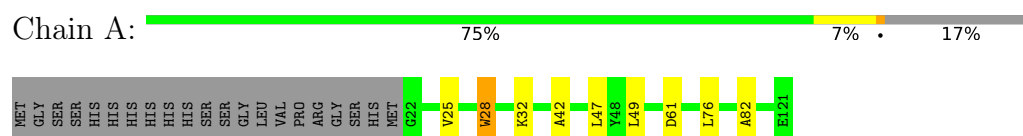
4.2.8 Score per residue for model 8

- Molecule 1: De novo designed protein RO2_20



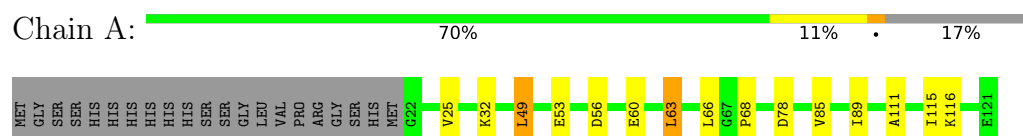
4.2.9 Score per residue for model 9

- Molecule 1: De novo designed protein RO2_20



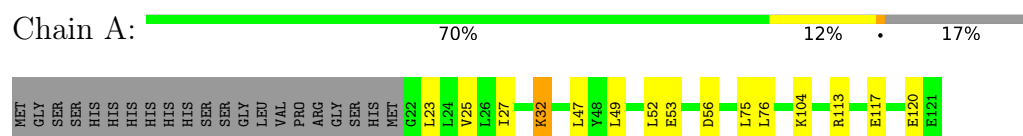
4.2.10 Score per residue for model 10

- Molecule 1: De novo designed protein RO2_20



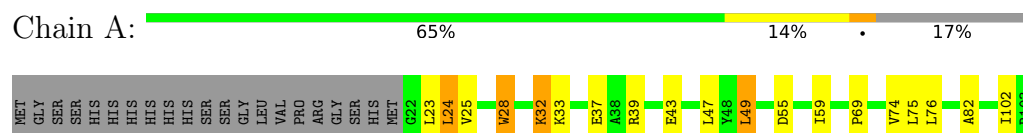
4.2.11 Score per residue for model 11

- Molecule 1: De novo designed protein RO2_20



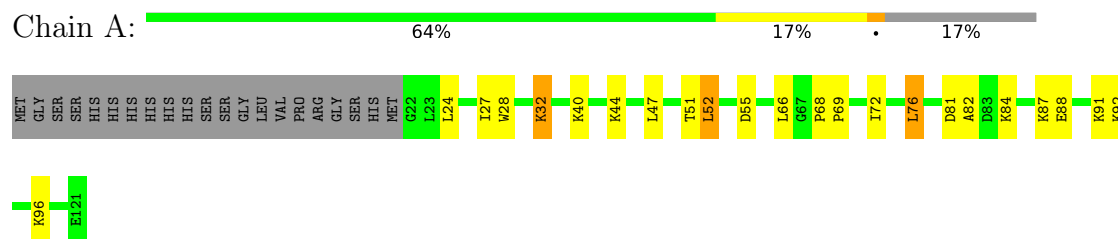
4.2.12 Score per residue for model 12

- Molecule 1: De novo designed protein RO2_20



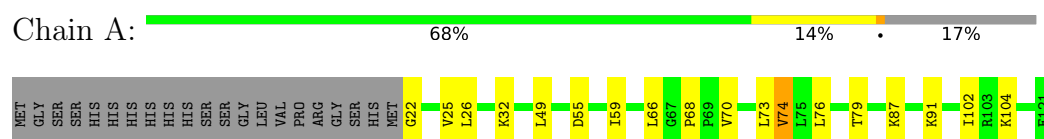
4.2.13 Score per residue for model 13

- Molecule 1: De novo designed protein RO2_20



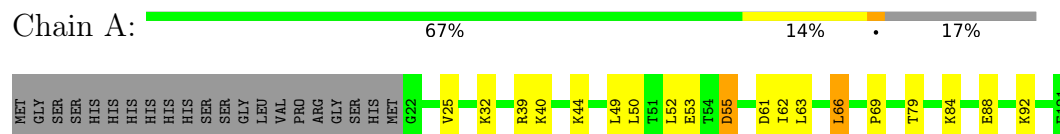
4.2.14 Score per residue for model 14

- Molecule 1: De novo designed protein RO2_20



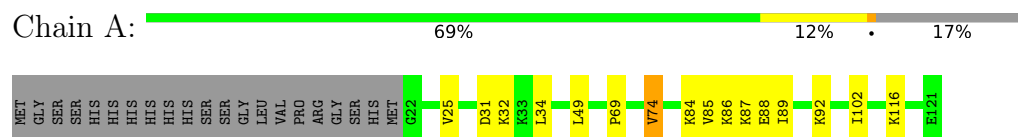
4.2.15 Score per residue for model 15

- Molecule 1: De novo designed protein RO2_20



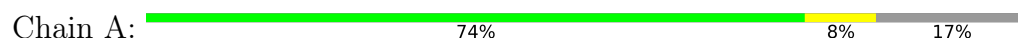
4.2.16 Score per residue for model 16

- Molecule 1: De novo designed protein RO2_20



4.2.17 Score per residue for model 17

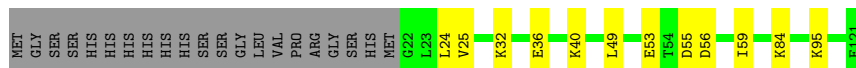
- Molecule 1: De novo designed protein RO2_20





4.2.18 Score per residue for model 18

- Molecule 1: De novo designed protein RO2_20



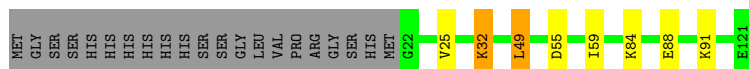
4.2.19 Score per residue for model 19

- Molecule 1: De novo designed protein RO2_20



4.2.20 Score per residue for model 20

- Molecule 1: De novo designed protein RO2_20



5 Refinement protocol and experimental data overview

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

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

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

Software name	Classification	Version
ARIA	structure calculation	2.3.2
CNS	refinement	1.21

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	1211
Number of shifts mapped to atoms	1161
Number of unparsed shifts	0
Number of shifts with mapping errors	50
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	79%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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 [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	818	888	888	7±3
All	All	16360	17760	17760	133

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 4.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:25:VAL:O	1:A:49:LEU:HA	0.68	1.88	20	17
1:A:81:ASP:O	1:A:84:LYS:HG2	0.58	1.98	1	2
1:A:74:VAL:HG22	1:A:102:ILE:HA	0.58	1.76	12	2
1:A:77:GLU:HA	1:A:105:VAL:O	0.57	1.98	6	1
1:A:41:MET:SD	1:A:116:LYS:HE2	0.57	2.39	19	1
1:A:66:LEU:O	1:A:68:PRO:HD2	0.57	2.00	19	5
1:A:76:LEU:O	1:A:104:LYS:HA	0.55	2.02	11	8
1:A:55:ASP:HB2	1:A:59:ILE:HD12	0.55	1.78	14	1
1:A:41:MET:HA	1:A:41:MET:HE3	0.54	1.79	8	1
1:A:74:VAL:HG13	1:A:102:ILE:HA	0.54	1.80	8	1
1:A:88:GLU:O	1:A:92:LYS:HG2	0.54	2.03	16	2
1:A:35:ILE:O	1:A:39:ARG:HG3	0.54	2.03	1	1
1:A:101:ARG:HA	1:A:101:ARG:NE	0.53	2.19	2	1
1:A:55:ASP:OD2	1:A:59:ILE:HD12	0.52	2.05	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:76:LEU:HD11	1:A:82:ALA:HB1	0.51	1.83	12	1
1:A:83:ASP:O	1:A:87:LYS:HG2	0.51	2.05	19	1
1:A:55:ASP:CG	1:A:92:LYS:HE2	0.50	2.32	15	1
1:A:55:ASP:O	1:A:59:ILE:HB	0.50	2.07	12	2
1:A:84:LYS:O	1:A:88:GLU:HG3	0.49	2.08	16	3
1:A:56:ASP:O	1:A:60:GLU:HB3	0.48	2.08	10	1
1:A:91:LYS:O	1:A:95:LYS:HG2	0.48	2.09	17	1
1:A:62:ILE:O	1:A:66:LEU:HD22	0.48	2.09	15	2
1:A:85:VAL:O	1:A:89:ILE:HG12	0.48	2.09	10	5
1:A:28:TRP:CZ3	1:A:76:LEU:HD13	0.48	2.44	12	1
1:A:39:ARG:HA	1:A:49:LEU:CD1	0.47	2.38	15	1
1:A:47:LEU:HD21	1:A:119:SER:OG	0.47	2.08	12	1
1:A:49:LEU:C	1:A:50:LEU:HD12	0.47	2.34	2	2
1:A:32:LYS:H	1:A:32:LYS:HE3	0.47	1.68	8	1
1:A:32:LYS:N	1:A:32:LYS:HE2	0.46	2.25	11	1
1:A:26:LEU:CD2	1:A:50:LEU:HB2	0.46	2.41	19	2
1:A:39:ARG:HA	1:A:49:LEU:HD21	0.46	1.88	5	1
1:A:113:ARG:O	1:A:117:GLU:HG2	0.46	2.11	8	2
1:A:40:LYS:O	1:A:44:LYS:HG3	0.46	2.10	13	2
1:A:74:VAL:CG2	1:A:102:ILE:HA	0.46	2.41	6	4
1:A:52:LEU:HD22	1:A:52:LEU:C	0.46	2.36	7	2
1:A:28:TRP:CD1	1:A:76:LEU:HD11	0.45	2.46	9	1
1:A:25:VAL:HG13	1:A:49:LEU:HA	0.45	1.87	2	1
1:A:116:LYS:O	1:A:120:GLU:HG2	0.45	2.11	4	1
1:A:63:LEU:C	1:A:63:LEU:HD13	0.45	2.37	10	1
1:A:28:TRP:CZ2	1:A:82:ALA:HA	0.44	2.47	13	1
1:A:22:GLY:C	1:A:70:VAL:HG23	0.44	2.37	14	1
1:A:49:LEU:O	1:A:49:LEU:HD12	0.44	2.12	5	1
1:A:42:ALA:HB1	1:A:47:LEU:HB2	0.44	1.90	9	1
1:A:87:LYS:O	1:A:91:LYS:HG2	0.44	2.13	14	2
1:A:26:LEU:O	1:A:74:VAL:HA	0.43	2.13	8	1
1:A:23:LEU:HB2	1:A:47:LEU:HD22	0.43	1.89	11	1
1:A:52:LEU:HD13	1:A:52:LEU:N	0.43	2.28	2	1
1:A:32:LYS:CE	1:A:32:LYS:HA	0.43	2.43	2	1
1:A:84:LYS:O	1:A:87:LYS:HG2	0.43	2.12	16	1
1:A:52:LEU:CD1	1:A:55:ASP:HA	0.43	2.43	13	1
1:A:55:ASP:HA	1:A:59:ILE:HD12	0.43	1.89	19	2
1:A:32:LYS:HA	1:A:32:LYS:HE3	0.43	1.90	12	1
1:A:32:LYS:HE3	1:A:32:LYS:N	0.43	2.29	13	2
1:A:32:LYS:HA	1:A:32:LYS:CE	0.43	2.43	12	1
1:A:55:ASP:HB3	1:A:59:ILE:CD1	0.43	2.44	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:63:LEU:C	1:A:63:LEU:HD12	0.42	2.39	17	1
1:A:24:LEU:HD21	1:A:50:LEU:HD13	0.42	1.91	2	1
1:A:33:LYS:O	1:A:37:GLU:HG2	0.42	2.13	4	2
1:A:28:TRP:HE1	1:A:76:LEU:HD22	0.42	1.73	13	1
1:A:32:LYS:HA	1:A:32:LYS:HE2	0.42	1.91	2	1
1:A:39:ARG:O	1:A:43:GLU:HG3	0.42	2.14	12	1
1:A:27:ILE:HA	1:A:75:LEU:O	0.42	2.14	7	1
1:A:24:LEU:O	1:A:72:ILE:HA	0.42	2.15	13	1
1:A:31:ASP:OD2	1:A:33:LYS:HG2	0.41	2.15	1	1
1:A:111:ALA:O	1:A:115:ILE:HG13	0.41	2.15	8	2
1:A:31:ASP:HB3	1:A:34:LEU:HB3	0.41	1.93	16	1
1:A:52:LEU:HD22	1:A:52:LEU:O	0.41	2.16	2	1
1:A:22:GLY:C	1:A:70:VAL:HG13	0.41	2.40	4	1
1:A:24:LEU:HD13	1:A:25:VAL:N	0.41	2.31	12	1
1:A:27:ILE:HG22	1:A:75:LEU:HB3	0.41	1.93	11	1
1:A:52:LEU:HD12	1:A:52:LEU:N	0.41	2.31	19	1
1:A:27:ILE:O	1:A:51:THR:HA	0.41	2.16	13	1
1:A:28:TRP:CD1	1:A:52:LEU:HB2	0.40	2.51	6	1
1:A:28:TRP:HZ2	1:A:82:ALA:N	0.40	2.14	9	1
1:A:31:ASP:OD1	1:A:33:LYS:HB2	0.40	2.16	17	1
1:A:47:LEU:HD11	1:A:119:SER:OG	0.40	2.16	1	1
1:A:116:LYS:O	1:A:116:LYS:HD2	0.40	2.16	10	1
1:A:28:TRP:CD1	1:A:28:TRP:N	0.40	2.89	12	1
1:A:36:GLU:O	1:A:40:LYS:HG2	0.40	2.16	18	1
1:A:63:LEU:HD12	1:A:63:LEU:C	0.40	2.40	1	1
1:A:73:LEU:HD13	1:A:73:LEU:C	0.40	2.42	1	1
1:A:50:LEU:HD21	1:A:62:ILE:HD12	0.40	1.93	15	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	98/121 (81%)	91±2 (93±2%)	7±2 (7±2%)	1±1 (1±1%)	20	70
All	All	1960/2420 (81%)	1814 (93%)	132 (7%)	14 (1%)	20	70

All 5 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	69	PRO	6
1	A	53	GLU	5
1	A	68	PRO	1
1	A	78	ASP	1
1	A	56	ASP	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	92/110 (84%)	88±2 (95±2%)	4±2 (5±2%)	26	77
All	All	1840/2200 (84%)	1757 (95%)	83 (5%)	26	77

All 40 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	32	LYS	16
1	A	52	LEU	5
1	A	79	THR	4
1	A	61	ASP	4
1	A	24	LEU	3
1	A	63	LEU	3
1	A	49	LEU	3
1	A	23	LEU	2
1	A	75	LEU	2
1	A	66	LEU	2
1	A	71	LYS	2
1	A	53	GLU	2
1	A	41	MET	2
1	A	73	LEU	2
1	A	116	LYS	2
1	A	28	TRP	2
1	A	120	GLU	2
1	A	74	VAL	2
1	A	86	LYS	2

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Mol	Chain	Res	Type	Models (Total)
1	A	40	LYS	1
1	A	85	VAL	1
1	A	25	VAL	1
1	A	101	ARG	1
1	A	30	ASN	1
1	A	92	LYS	1
1	A	33	LYS	1
1	A	57	LYS	1
1	A	36	GLU	1
1	A	54	THR	1
1	A	87	LYS	1
1	A	34	LEU	1
1	A	56	ASP	1
1	A	47	LEU	1
1	A	76	LEU	1
1	A	96	LYS	1
1	A	26	LEU	1
1	A	55	ASP	1
1	A	84	LYS	1
1	A	95	LYS	1
1	A	91	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

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 79% 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*

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	1211
Number of shifts mapped to atoms	1161
Number of unparsed shifts	0
Number of shifts with mapping errors	50
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 50 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	14	LEU	H	8.059	0.006	1
1	A	14	LEU	HA	4.363	0.005	1
1	A	14	LEU	HB2	1.618	0.001	2
1	A	14	LEU	HB3	1.581	0.005	2
1	A	14	LEU	HD11	0.917	0.002	2
1	A	14	LEU	HD12	0.917	0.002	2
1	A	14	LEU	HD13	0.917	0.002	2
1	A	14	LEU	HD21	0.864	0.001	2
1	A	14	LEU	HD22	0.864	0.001	2
1	A	14	LEU	HD23	0.864	0.001	2
1	A	14	LEU	CA	55.371	0.051	1
1	A	14	LEU	CB	42.617	0.009	1
1	A	14	LEU	CD1	24.988	0.002	2
1	A	14	LEU	CD2	23.64	0.002	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	14	LEU	N	121.357	0.011	1
1	A	15	VAL	H	8.011	0.011	1
1	A	15	VAL	HA	4.345	0.001	1
1	A	15	VAL	HB	2.053	0.001	1
1	A	15	VAL	HG11	0.926	0.006	2
1	A	15	VAL	HG12	0.926	0.006	2
1	A	15	VAL	HG13	0.926	0.006	2
1	A	15	VAL	HG21	0.923	0.004	2
1	A	15	VAL	HG22	0.923	0.004	2
1	A	15	VAL	HG23	0.923	0.004	2
1	A	15	VAL	CA	59.795	0.028	1
1	A	15	VAL	CB	32.738	0.001	1
1	A	15	VAL	CG2	21.125	0.002	1
1	A	15	VAL	N	121.464	0.09	1
1	A	16	PRO	HA	4.396	0.002	1
1	A	16	PRO	HB2	2.273	0.007	2
1	A	16	PRO	HB3	1.889	0.001	2
1	A	16	PRO	HD2	3.769	0.015	2
1	A	16	PRO	HD3	3.541	0.011	2
1	A	16	PRO	HG2	2.009	0.004	2
1	A	16	PRO	HG3	1.919	0.004	2
1	A	16	PRO	CA	63.155	0.011	1
1	A	16	PRO	CB	32.18	0.026	1
1	A	16	PRO	CD	51.033	0.032	1
1	A	16	PRO	CG	27.56	0.019	1
1	A	21	MET	H	8.251	0.008	1
1	A	21	MET	HA	4.438	0.002	1
1	A	21	MET	HB2	2.033	0.003	2
1	A	21	MET	HB3	1.954	0.007	2
1	A	21	MET	HG2	2.441	0.003	2
1	A	21	MET	HG3	2.323	0.003	2
1	A	21	MET	CA	55.667	0.039	1
1	A	21	MET	CB	32.742	0.055	1
1	A	21	MET	CG	31.812	0.071	1
1	A	21	MET	N	122.065	0.066	1
1	A	22	GLY	H	8.728	0.014	1

7.1.2 Chemical shift referencing ⓘ

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	103	-0.11 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	102	0.01 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	99	0.56 ± 0.32	None needed (imprecise)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 79%, i.e. 1159 atoms were assigned a chemical shift out of a possible 1475. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	392/494 (79%)	197/198 (99%)	99/200 (50%)	96/96 (100%)
Sidechain	748/938 (80%)	491/604 (81%)	257/297 (87%)	0/37 (0%)
Aromatic	19/43 (44%)	17/21 (81%)	0/20 (0%)	2/2 (100%)
Overall	1159/1475 (79%)	705/823 (86%)	356/517 (69%)	98/135 (73%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 1159 atoms were assigned a chemical shift out of a possible 1475. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	392/494 (79%)	197/198 (99%)	99/200 (50%)	96/96 (100%)
Sidechain	748/938 (80%)	491/604 (81%)	257/297 (87%)	0/37 (0%)
Aromatic	19/43 (44%)	17/21 (81%)	0/20 (0%)	2/2 (100%)
Overall	1159/1475 (79%)	705/823 (86%)	356/517 (69%)	98/135 (73%)

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.

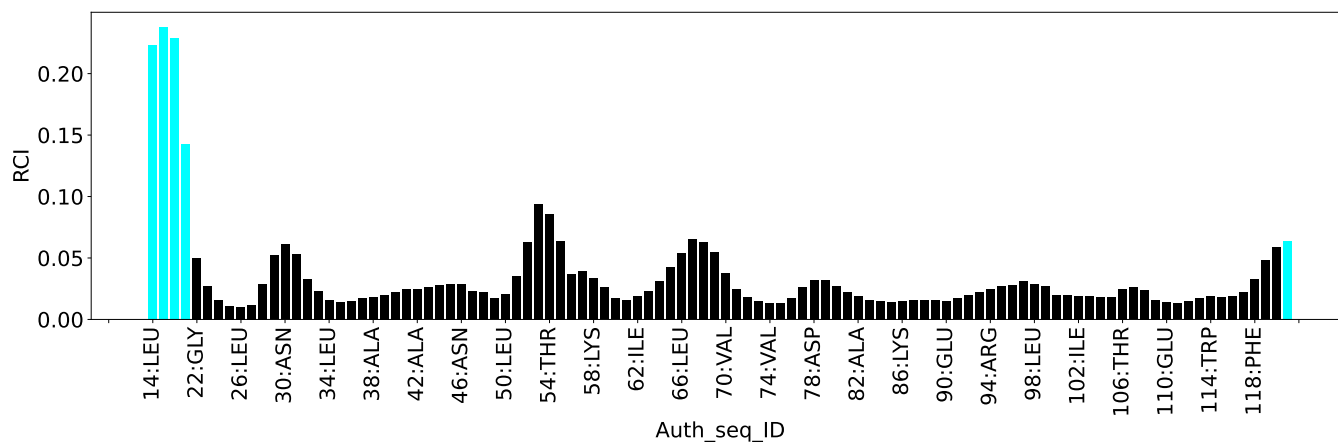
List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	103	ARG	HD3	1.76	1.81 – 4.39	-5.2

7.1.5 Random Coil Index (RCI) plots [i](#)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication

of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	5170
Intra-residue ($ i-j =0$)	2243
Sequential ($ i-j =1$)	1182
Medium range ($ i-j >1$ and $ i-j <5$)	742
Long range ($ i-j \geq 5$)	907
Inter-chain	0
Hydrogen bond restraints	96
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	32
Number of restraints per residue	42.7
Number of long range restraints per residue ¹	7.7

¹Long 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)	176.2	0.2
0.2-0.5 (Medium)	424.9	0.5
>0.5 (Large)	1013.4	18.69

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

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

9 Distance violation analysis ⓘ

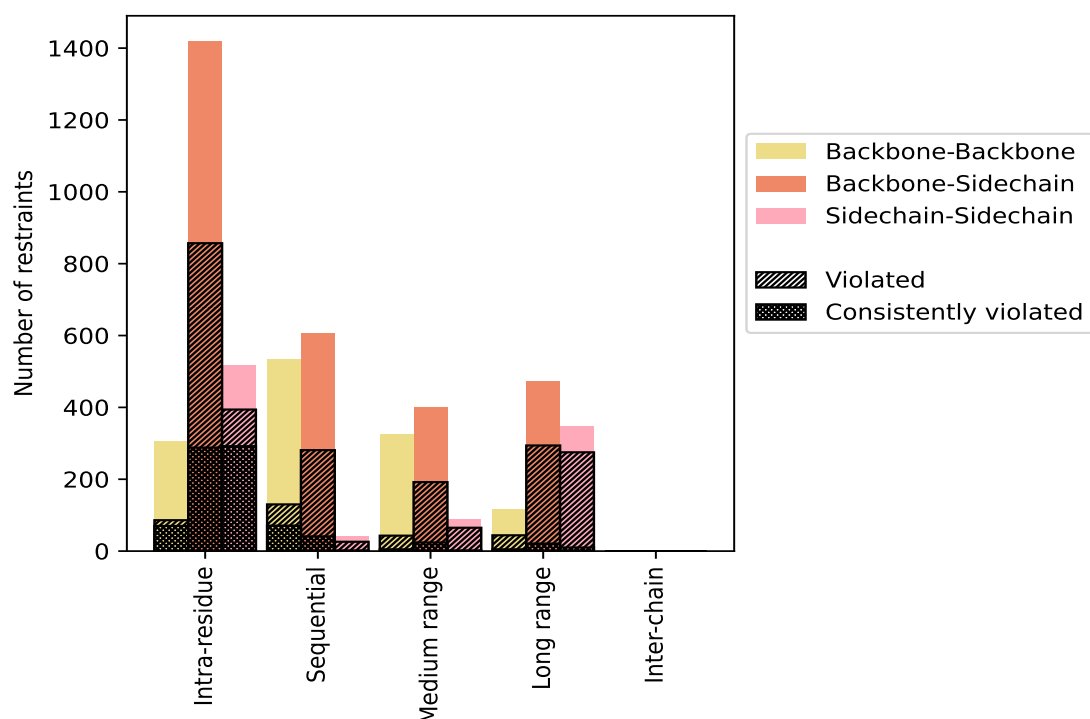
9.1 Summary of distance violations ⓘ

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)	2243	43.4	1337	59.6	25.9	650	29.0	12.6
Backbone-Backbone	306	5.9	86	28.1	1.7	70	22.9	1.4
Backbone-Sidechain	1419	27.4	857	60.4	16.6	288	20.3	5.6
Sidechain-Sidechain	518	10.0	394	76.1	7.6	292	56.4	5.6
Sequential (i-j =1)	1182	22.9	437	37.0	8.5	114	9.6	2.2
Backbone-Backbone	534	10.3	130	24.3	2.5	71	13.3	1.4
Backbone-Sidechain	607	11.7	281	46.3	5.4	41	6.8	0.8
Sidechain-Sidechain	41	0.8	26	63.4	0.5	2	4.9	0.0
Medium range (i-j >1 & i-j <5)	742	14.4	298	40.2	5.8	31	4.2	0.6
Backbone-Backbone	324	6.3	43	13.3	0.8	5	1.5	0.1
Backbone-Sidechain	329	6.4	190	57.8	3.7	24	7.3	0.5
Sidechain-Sidechain	89	1.7	65	73.0	1.3	2	2.2	0.0
Long range (i-j ≥5)	907	17.5	612	67.5	11.8	36	4.0	0.7
Backbone-Backbone	116	2.2	44	37.9	0.9	5	4.3	0.1
Backbone-Sidechain	445	8.6	293	65.8	5.7	21	4.7	0.4
Sidechain-Sidechain	346	6.7	275	79.5	5.3	10	2.9	0.2
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	96	1.9	3	3.1	0.1	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	5170	100.0	2687	52.0	52.0	831	16.1	16.1
Backbone-Backbone	1280	24.8	303	23.7	5.9	151	11.8	2.9
Backbone-Sidechain	2896	56.0	1624	56.1	31.4	374	12.9	7.2
Sidechain-Sidechain	994	19.2	760	76.5	14.7	306	30.8	5.9

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 [i](#)



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 [i](#)

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	949	246	132	272	0	1599	0.74	18.07	0.65	0.67
2	963	246	142	298	0	1649	0.75	17.83	0.68	0.67
3	969	250	144	268	0	1631	0.74	18.58	0.68	0.67
4	955	237	152	268	0	1612	0.75	16.97	0.64	0.69
5	958	250	138	288	0	1634	0.76	18.39	0.71	0.69
6	969	229	142	275	0	1615	0.74	17.68	0.63	0.67
7	942	246	142	278	0	1608	0.76	18.5	0.68	0.7
8	975	244	147	300	0	1666	0.75	17.37	0.67	0.67
9	954	248	138	302	0	1642	0.76	17.38	0.66	0.7
10	976	240	147	287	0	1650	0.73	17.93	0.64	0.68

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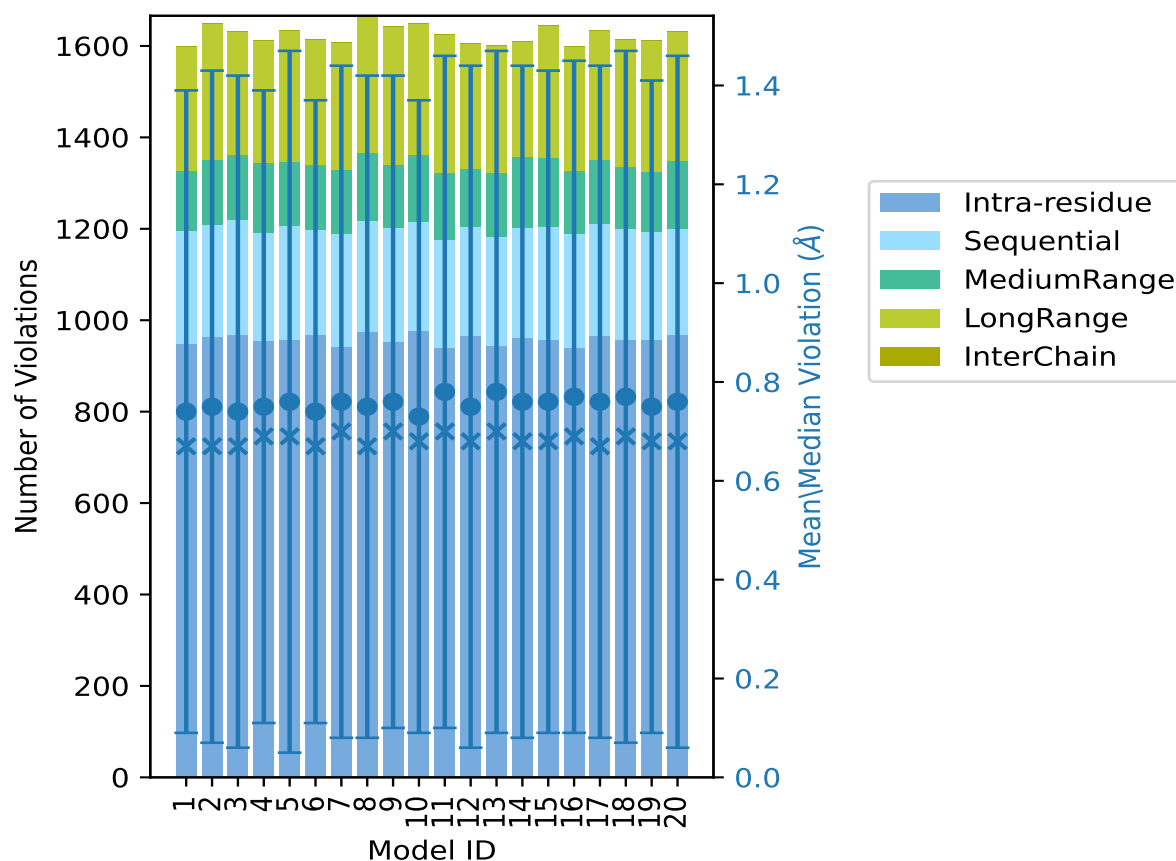
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	940	235	148	301	0	1624	0.78	17.31	0.68	0.7
12	967	237	127	275	0	1606	0.75	18.19	0.69	0.68
13	944	237	140	280	0	1601	0.78	18.42	0.69	0.7
14	962	240	155	253	0	1610	0.76	17.5	0.68	0.68
15	957	247	152	289	0	1645	0.76	17.49	0.67	0.68
16	941	248	138	271	0	1598	0.77	17.59	0.68	0.69
17	965	247	139	283	0	1634	0.76	17.09	0.68	0.67
18	957	243	137	278	0	1615	0.77	18.02	0.7	0.69
19	957	236	133	285	0	1611	0.75	18.23	0.66	0.68
20	969	232	148	282	0	1631	0.76	18.69	0.7	0.68

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

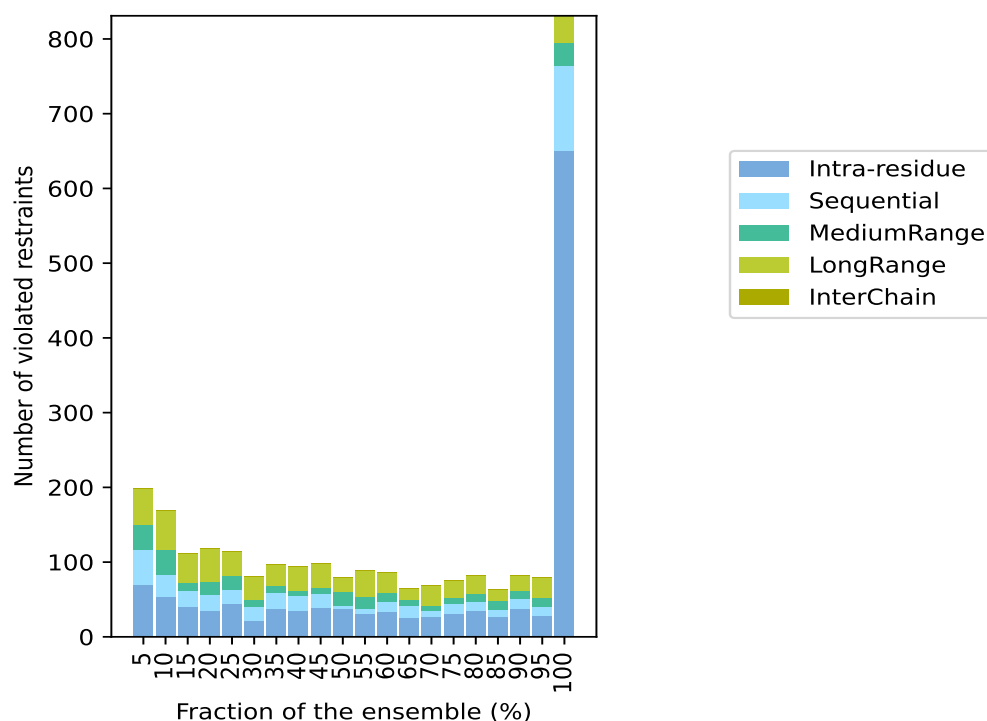
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2390(IR:906, SQ:745, MR:444, LR:295, IC:0) restraints are 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	%
70	46	34	48	0	198	1	5.0
54	29	33	53	0	169	2	10.0
40	21	12	39	0	112	3	15.0
35	21	18	44	0	118	4	20.0
44	19	18	33	0	114	5	25.0
22	18	10	31	0	81	6	30.0
38	21	9	29	0	97	7	35.0
35	19	8	32	0	94	8	40.0
39	19	8	32	0	98	9	45.0
37	5	18	20	0	80	10	50.0
30	8	15	36	0	89	11	55.0
33	14	12	27	0	86	12	60.0
26	15	8	16	0	65	13	65.0
26	8	8	27	0	69	14	70.0
31	13	9	22	0	75	15	75.0
34	12	12	24	0	82	16	80.0
27	9	13	15	0	64	17	85.0
38	13	11	20	0	82	18	90.0
28	13	11	28	0	80	19	95.0
650	114	31	36	0	831	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

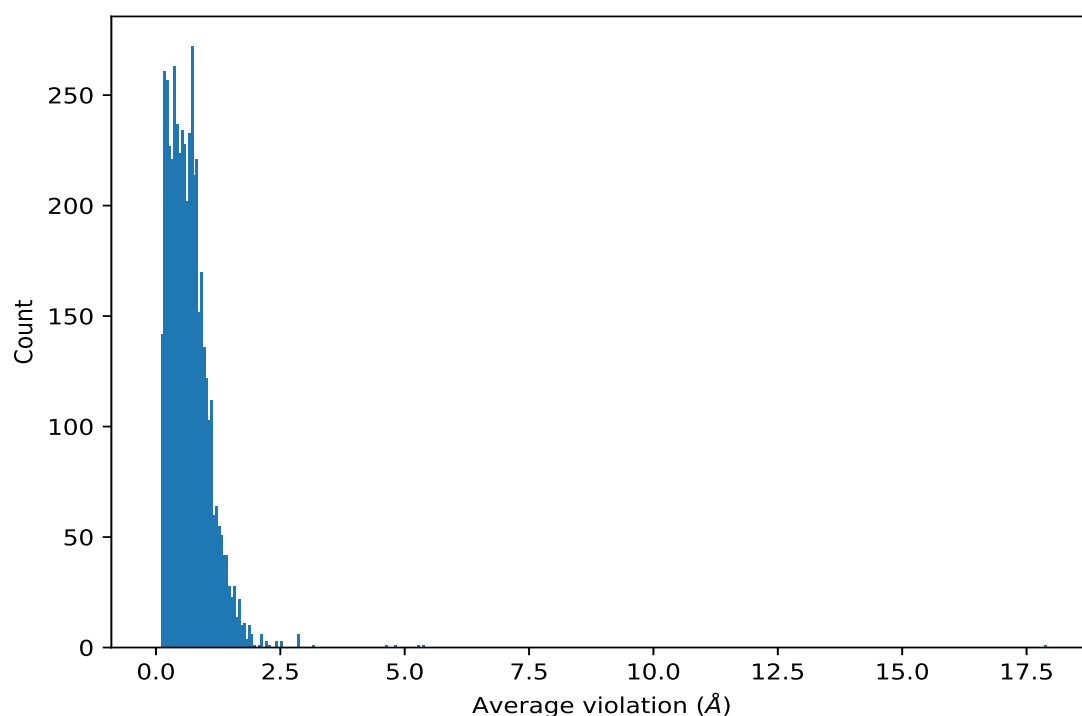
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

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



9.4.2 Table: Most violated distance restraints [i](#)

The following table provides the mean and the standard deviation of 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. 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)
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	20	17.86	0.5	17.88
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	20	5.39	1.11	5.29
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	20	5.26	1.2	5.4
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	20	4.8	1.14	5.01
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	20	4.6	0.96	4.55
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	20	3.17	1.7	4.04
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	20	2.87	1.02	2.64
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	20	2.87	1.02	2.64
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	20	2.87	1.02	2.64
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	20	2.5	1.23	2.51
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	20	2.5	1.23	2.51
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	20	2.5	1.23	2.51
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	20	2.42	0.34	2.45
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	20	2.42	0.34	2.45
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	20	2.42	0.34	2.45
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	20	2.29	0.43	2.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	2.11	0.04	2.1
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	2.11	0.04	2.1
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	2.11	0.04	2.1
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	2.06	0.07	2.05
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	20	1.94	0.2	1.96
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	20	1.94	0.2	1.96
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	20	1.91	0.17	1.96
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	20	1.87	0.54	1.76
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	20	1.84	0.09	1.88
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	20	1.79	0.76	2.03
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	20	1.76	0.59	2.04
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	20	1.76	0.59	2.04
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	20	1.76	0.59	2.04
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	20	1.74	0.07	1.74
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	20	1.72	0.15	1.75
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	20	1.7	0.0	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	20	1.7	0.0	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	20	1.7	0.0	1.7
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	20	1.7	0.23	1.78
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	20	1.67	0.23	1.65
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	20	1.67	0.09	1.67
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.65	0.0	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	20	1.65	0.0	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	20	1.65	0.0	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	20	1.65	0.0	1.65
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	20	1.64	0.18	1.69
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	1.64	0.84	1.81
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	20	1.64	0.84	1.81
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	20	1.64	0.84	1.81
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	20	1.63	0.66	1.94
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	20	1.61	0.22	1.7
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	20	1.6	0.0	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	20	1.6	0.0	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	20	1.6	0.0	1.6
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	20	1.6	0.04	1.6
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	20	1.59	0.12	1.56
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	20	1.58	0.0	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	20	1.58	0.0	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	20	1.58	0.0	1.58
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	20	1.58	0.45	1.66
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	20	1.58	0.0	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	20	1.58	0.0	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	20	1.58	0.0	1.58
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	20	1.58	0.53	1.57
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	20	1.57	0.65	1.65
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	20	1.57	0.65	1.65
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	20	1.57	0.65	1.65
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	20	1.57	0.43	1.66
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	20	1.57	0.22	1.63
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	20	1.57	0.05	1.56
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	20	1.56	0.26	1.64
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	20	1.55	0.6	1.58
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	20	1.54	0.47	1.69
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	20	1.54	0.01	1.54
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	20	1.52	0.32	1.44
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	20	1.51	0.27	1.47
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	20	1.51	0.06	1.52
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	1.51	0.15	1.52
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	20	1.49	0.01	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	20	1.49	0.0	1.49
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	20	1.49	0.1	1.5
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	20	1.47	0.35	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	20	1.47	0.35	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	20	1.47	0.35	1.52
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	1.47	0.31	1.62
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	20	1.47	0.39	1.47
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	20	1.47	0.15	1.51
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	20	1.47	0.26	1.62
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	20	1.46	0.33	1.5
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	20	1.46	0.0	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.45	0.0	1.45
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	20	1.45	0.19	1.48
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	20	1.45	0.19	1.48
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	20	1.45	0.19	1.48
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	20	1.45	0.0	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	20	1.45	0.0	1.45
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	20	1.45	0.26	1.6
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	20	1.44	0.0	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	20	1.44	0.0	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	20	1.44	0.0	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.44	0.0	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.44	0.0	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.44	0.0	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.44	0.0	1.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.44	0.0	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.44	0.0	1.44
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	20	1.44	0.03	1.44
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	20	1.43	0.14	1.38
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	20	1.43	0.05	1.42
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	20	1.43	0.5	1.69
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	20	1.42	0.24	1.56
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	20	1.42	0.37	1.6
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	20	1.42	0.37	1.6
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	20	1.42	0.37	1.6
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	20	1.42	0.35	1.52
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	20	1.42	0.35	1.52
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	20	1.42	0.35	1.52
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	20	1.4	1.03	1.1
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	20	1.4	1.03	1.1
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	20	1.4	1.03	1.1
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	20	1.4	0.0	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	20	1.4	0.0	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	20	1.4	0.0	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	20	1.4	0.0	1.4
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	20	1.4	0.38	1.5
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	20	1.39	0.0	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	20	1.39	0.0	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	20	1.39	0.0	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	1.38	0.0	1.38
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	20	1.38	0.18	1.44
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	20	1.38	0.04	1.39
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	20	1.38	0.04	1.39
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	20	1.38	0.6	1.08
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	20	1.37	0.02	1.37
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.37	0.04	1.36
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.37	0.04	1.36
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.37	0.04	1.36
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	20	1.36	0.26	1.51
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	20	1.36	0.41	1.26
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	20	1.36	0.77	1.77
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	20	1.36	0.77	1.77
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	20	1.36	0.77	1.77
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	1.35	0.07	1.35
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	20	1.35	0.31	1.4
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	1.34	0.01	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	20	1.34	0.02	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	20	1.34	0.18	1.4
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	20	1.34	0.27	1.4
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.34	0.06	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	20	1.34	0.01	1.34
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	20	1.33	0.19	1.33
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	20	1.33	0.33	1.46
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	20	1.33	0.33	1.46
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	20	1.33	0.33	1.46
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	20	1.33	0.0	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	20	1.33	0.0	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	20	1.33	0.0	1.33
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	20	1.33	0.13	1.38
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	20	1.33	0.03	1.32
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	20	1.33	0.04	1.35
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	20	1.32	0.42	1.39
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	20	1.32	0.0	1.32
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	20	1.32	0.26	1.4
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	20	1.32	0.01	1.32
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	20	1.31	0.0	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.31	0.0	1.31
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	20	1.31	0.55	1.58
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	20	1.31	0.0	1.31
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	20	1.3	0.07	1.33
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	20	1.3	0.0	1.3
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	20	1.3	0.91	0.8
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	20	1.3	0.91	0.8
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	20	1.3	0.91	0.8
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	20	1.3	0.01	1.3
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	20	1.3	0.14	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	20	1.29	0.08	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	20	1.29	0.08	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	20	1.29	0.08	1.26
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	20	1.29	0.03	1.28
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	20	1.29	0.0	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	20	1.29	0.0	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	20	1.29	0.0	1.29
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	20	1.28	0.19	1.24
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	20	1.28	0.0	1.28
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	20	1.28	0.68	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	20	1.28	0.68	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	20	1.28	0.68	0.95
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	20	1.28	0.0	1.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	20	1.28	0.27	1.26
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	20	1.28	0.33	1.27
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	20	1.27	0.14	1.25
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	20	1.27	0.24	1.38
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	20	1.27	0.0	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	20	1.27	0.01	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	20	1.27	0.01	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	20	1.27	0.01	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.27	0.0	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.27	0.0	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.27	0.0	1.27
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	1.26	0.26	1.36
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	20	1.26	0.23	1.21
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	20	1.25	0.04	1.26
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	20	1.25	0.09	1.26
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	20	1.25	0.26	1.36
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	1.25	0.02	1.25
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	20	1.25	0.14	1.27
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	1.25	0.0	1.25
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	20	1.24	0.18	1.3
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	20	1.24	0.0	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	20	1.24	0.0	1.24
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	20	1.24	0.18	1.23
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	20	1.24	0.38	1.28
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	20	1.24	0.38	1.28
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	20	1.24	0.38	1.28
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	20	1.24	0.01	1.24
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	20	1.24	0.09	1.25
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	20	1.23	0.25	1.35
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	20	1.23	0.54	1.6
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	20	1.23	0.04	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	20	1.23	0.0	1.23
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	20	1.23	0.11	1.2
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	20	1.22	0.27	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	20	1.22	0.27	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	20	1.22	0.27	1.36
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	20	1.22	0.42	1.17
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	20	1.22	0.11	1.23
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	20	1.22	0.11	1.23
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	20	1.22	0.11	1.23
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	1.22	0.0	1.22
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	1.22	0.02	1.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	20	1.22	0.0	1.22
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	20	1.22	0.11	1.2
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	20	1.21	0.0	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	20	1.21	0.0	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	20	1.21	0.0	1.21
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	20	1.21	0.02	1.21
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	20	1.2	0.0	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	20	1.2	0.0	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	20	1.2	0.0	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	20	1.2	0.0	1.2
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	20	1.2	0.48	1.47
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	20	1.19	0.0	1.19
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	20	1.19	0.19	1.18
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	20	1.19	0.19	1.18
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	20	1.19	0.19	1.18
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	20	1.19	0.0	1.19
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	20	1.19	0.62	1.32
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	20	1.19	0.27	1.34
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	20	1.18	0.0	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	20	1.18	0.0	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	20	1.18	0.0	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	20	1.18	0.0	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	20	1.18	0.02	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	20	1.18	0.02	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	20	1.18	0.02	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	20	1.18	0.0	1.18
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	20	1.17	0.14	1.23
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	20	1.17	0.03	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	20	1.17	0.0	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	20	1.17	0.0	1.17
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	20	1.17	0.26	1.29
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	20	1.17	0.0	1.17
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	20	1.17	0.27	1.28
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	20	1.16	0.51	1.12
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	20	1.16	0.0	1.16
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	20	1.16	0.08	1.16
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	20	1.15	0.29	1.06
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	20	1.15	0.22	1.04
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	20	1.15	0.0	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	20	1.15	0.0	1.15
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	20	1.15	0.28	1.36
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	20	1.15	0.18	1.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	20	1.15	0.18	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	20	1.15	0.18	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	1.14	0.04	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	20	1.14	0.0	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	20	1.14	0.0	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	20	1.14	0.0	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	20	1.14	0.0	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	1.13	0.01	1.13
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	20	1.13	0.04	1.14
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	1.13	0.29	1.22
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	1.13	0.29	1.22
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	1.13	0.29	1.22
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	20	1.13	0.0	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	20	1.13	0.01	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	20	1.13	0.01	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	20	1.13	0.01	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	20	1.13	0.0	1.13
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	20	1.13	0.21	1.2
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	20	1.13	0.27	1.28
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	20	1.13	0.2	1.12
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	20	1.13	0.19	1.15
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	20	1.13	0.19	1.15
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	20	1.13	0.19	1.15
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	20	1.13	0.02	1.12
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	20	1.12	0.46	1.34
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	20	1.12	0.01	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	20	1.12	0.01	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	20	1.12	0.01	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	20	1.12	0.0	1.12
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	20	1.12	0.04	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	20	1.12	0.0	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	20	1.12	0.0	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	20	1.12	0.0	1.12
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	20	1.12	0.19	1.02
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	20	1.12	0.01	1.12
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	1.11	0.29	1.31
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	20	1.11	0.0	1.11
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	20	1.11	0.1	1.12
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	20	1.11	0.1	1.12
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	20	1.11	0.1	1.12
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	20	1.11	0.0	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	20	1.11	0.0	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	20	1.11	0.0	1.11
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	20	1.11	0.02	1.11
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	20	1.1	0.26	0.91
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	20	1.1	0.0	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.1	0.0	1.1
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	20	1.1	0.15	1.15
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	20	1.1	0.26	1.08
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	20	1.1	0.03	1.1
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	20	1.1	0.05	1.09
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	20	1.1	0.14	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	20	1.1	0.14	1.12
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	20	1.1	0.04	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	20	1.1	0.01	1.1
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	20	1.09	0.24	1.27
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	20	1.09	0.01	1.09
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	20	1.09	0.05	1.08
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	20	1.09	0.07	1.12
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	20	1.08	0.26	0.88
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	20	1.08	0.11	1.04
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	20	1.08	0.0	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	20	1.08	0.0	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	20	1.08	0.0	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	20	1.08	0.0	1.08
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	20	1.08	0.38	1.08
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	20	1.07	0.3	1.3
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	20	1.07	0.0	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	20	1.07	0.0	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	20	1.07	0.0	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	20	1.07	0.0	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	20	1.06	0.0	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	20	1.06	0.0	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	20	1.06	0.0	1.06
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	20	1.06	0.18	1.12
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	20	1.06	0.01	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	20	1.06	0.01	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	20	1.06	0.01	1.06
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	20	1.06	0.01	1.05
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	20	1.06	0.27	1.22
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	20	1.05	0.08	1.06
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	20	1.05	0.0	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	20	1.05	0.0	1.05
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	20	1.05	0.21	0.98
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	20	1.05	0.23	1.16
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	20	1.05	0.25	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	20	1.05	0.2	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	20	1.05	0.2	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	20	1.05	0.2	1.1
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	20	1.05	0.08	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	20	1.05	0.03	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	20	1.05	0.03	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	20	1.05	0.03	1.05
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	20	1.04	0.42	1.17
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	20	1.04	0.12	1.01
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	20	1.04	0.0	1.04
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	20	1.04	0.14	0.99
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	20	1.04	0.0	1.04
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	20	1.04	0.23	0.87
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	20	1.04	0.05	1.03
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	20	1.03	0.35	1.12
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	20	1.03	0.18	1.04
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	20	1.03	0.18	1.04
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	20	1.03	0.18	1.04
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	20	1.03	0.06	1.04
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.03	0.0	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	20	1.03	0.0	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	20	1.03	0.0	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	20	1.03	0.0	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	20	1.03	0.0	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	20	1.03	0.0	1.03
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	20	1.03	0.22	1.1
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	20	1.03	0.28	1.0
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	20	1.03	0.01	1.02
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	20	1.02	0.27	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	20	1.02	0.0	1.02
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	20	1.02	0.12	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	20	1.02	0.12	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	20	1.02	0.12	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	20	1.02	0.0	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	20	1.02	0.0	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	20	1.02	0.0	1.02
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	20	1.02	0.07	1.02
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	20	1.02	0.07	1.02
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	20	1.02	0.07	1.02
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	20	1.02	0.03	1.02
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	20	1.02	0.28	1.13
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	20	1.02	0.0	1.02
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	20	1.02	0.26	0.83
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	20	1.01	0.32	0.88
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	1.01	0.29	1.1
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	1.01	0.29	1.1
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	1.01	0.29	1.1
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	20	1.01	0.0	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	20	1.01	0.0	1.01
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	20	1.01	0.04	1.02
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	20	1.01	0.04	1.02
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	20	1.01	0.04	1.02
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	20	1.01	0.25	1.13
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	20	1.0	0.21	0.96
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	20	1.0	0.07	1.01
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	20	1.0	0.07	1.01
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	20	1.0	0.07	1.01
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	20	1.0	0.09	1.02
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	20	1.0	0.0	1.0
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	20	1.0	0.09	1.0
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	20	1.0	0.09	1.0
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	20	1.0	0.28	0.82
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	20	1.0	0.04	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	20	1.0	0.0	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	20	1.0	0.0	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	20	1.0	0.0	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	20	1.0	0.01	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	20	0.99	0.0	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	20	0.99	0.0	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	20	0.99	0.0	0.99
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	20	0.99	0.3	1.14
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	0.99	0.26	1.09
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	20	0.99	0.01	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	20	0.99	0.01	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	20	0.99	0.01	0.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	20	0.99	0.0	0.99
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	20	0.99	0.18	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.99	0.01	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	20	0.99	0.01	0.98
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	20	0.98	0.23	0.87
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	20	0.98	0.21	0.84
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	0.98	0.07	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	20	0.98	0.0	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	20	0.98	0.0	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	20	0.98	0.0	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	20	0.98	0.0	0.98
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	20	0.98	0.24	0.87
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	20	0.98	0.29	1.18
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	20	0.98	0.0	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	20	0.97	0.0	0.97
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	20	0.97	0.11	1.0
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	20	0.97	0.0	0.97
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	20	0.97	0.08	0.97
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	20	0.97	0.08	0.97
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	20	0.97	0.08	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	20	0.97	0.0	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	20	0.97	0.0	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	20	0.97	0.0	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	20	0.97	0.0	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	20	0.97	0.0	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	20	0.97	0.0	0.97
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	20	0.97	0.22	1.07
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	20	0.97	0.21	1.04
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	20	0.97	0.41	1.21
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	20	0.97	0.16	1.11
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	20	0.97	0.22	1.07
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	20	0.97	0.05	0.96
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	20	0.97	0.05	0.96
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	20	0.97	0.05	0.96
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	20	0.96	0.05	0.97
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	20	0.96	0.32	1.13
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	20	0.96	0.06	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	20	0.96	0.06	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	20	0.96	0.06	0.94
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	20	0.96	0.01	0.96
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	20	0.96	0.13	0.99
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	20	0.96	0.59	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	20	0.96	0.01	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	20	0.96	0.01	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	20	0.96	0.01	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	20	0.96	0.0	0.96
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	20	0.95	0.24	0.76
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	20	0.95	0.0	0.95
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	20	0.95	0.05	0.96
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	20	0.95	0.05	0.96
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	20	0.95	0.05	0.96
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	20	0.95	0.05	0.95
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	20	0.95	0.05	0.95
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	20	0.95	0.05	0.95
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	20	0.95	0.26	1.11
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	20	0.95	0.0	0.95
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	20	0.95	0.1	1.0
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	20	0.95	0.16	0.86
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	20	0.94	0.01	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	20	0.94	0.0	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	20	0.94	0.0	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	20	0.94	0.0	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	20	0.94	0.01	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	20	0.94	0.01	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	20	0.94	0.01	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	20	0.94	0.0	0.94
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	20	0.94	0.16	0.9
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	20	0.94	0.28	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	20	0.94	0.0	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	20	0.94	0.0	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	20	0.94	0.0	0.94
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	20	0.94	0.28	1.12
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	20	0.93	0.2	0.98
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	20	0.93	0.01	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	20	0.93	0.03	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	20	0.93	0.02	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	20	0.93	0.02	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	20	0.93	0.02	0.93
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	20	0.93	0.41	1.19
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	20	0.93	0.41	1.19
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	20	0.93	0.41	1.19
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	20	0.92	0.05	0.92
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	20	0.92	0.04	0.93
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	20	0.92	0.2	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	20	0.92	0.26	1.06
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	20	0.92	0.06	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	20	0.92	0.0	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	20	0.92	0.0	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	20	0.92	0.0	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	20	0.92	0.0	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	20	0.92	0.0	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	20	0.92	0.0	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	20	0.92	0.0	0.92
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	20	0.92	0.03	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	20	0.92	0.01	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	20	0.92	0.01	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	20	0.92	0.01	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	20	0.92	0.02	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	20	0.92	0.02	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	20	0.92	0.02	0.91
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	20	0.91	0.23	0.84
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	20	0.91	0.23	0.84
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	20	0.91	0.23	0.84
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	20	0.91	0.27	1.06
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	20	0.91	0.24	1.04
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	20	0.91	0.14	0.88
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	20	0.91	0.0	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	20	0.91	0.0	0.91
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	20	0.91	0.27	0.88
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	20	0.91	0.0	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	20	0.91	0.0	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	20	0.91	0.0	0.91
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	20	0.91	0.03	0.91
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	20	0.91	0.11	0.9
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	20	0.91	0.06	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	20	0.91	0.06	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	20	0.91	0.06	0.92
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	20	0.9	0.1	0.93
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	20	0.9	0.27	0.74
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	20	0.9	0.0	0.9
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	20	0.9	0.14	0.92
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	20	0.9	0.1	0.92
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	20	0.9	0.01	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	20	0.9	0.03	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	20	0.9	0.03	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	20	0.9	0.03	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	20	0.89	0.21	0.98
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	20	0.89	0.36	0.88
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	20	0.89	0.36	0.88
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	20	0.89	0.36	0.88
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	20	0.89	0.0	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	20	0.89	0.0	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	20	0.89	0.0	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	20	0.89	0.0	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	20	0.89	0.0	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	20	0.89	0.0	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	20	0.89	0.0	0.89
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	20	0.89	0.1	0.9
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	20	0.89	0.0	0.89
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	20	0.89	0.09	0.83
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	20	0.89	0.34	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	20	0.89	0.34	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	20	0.89	0.34	1.15
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	20	0.88	0.08	0.87
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	20	0.88	0.36	0.72
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	20	0.88	0.0	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	20	0.88	0.0	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	20	0.88	0.0	0.88
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	20	0.88	0.13	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	20	0.88	0.0	0.88
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	20	0.88	0.04	0.86
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	20	0.88	0.1	0.88
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	20	0.87	0.42	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	20	0.87	0.05	0.86
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	20	0.87	0.05	0.86
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	20	0.87	0.05	0.86
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	20	0.87	0.04	0.86
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	20	0.87	0.26	1.0
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	20	0.87	0.0	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	20	0.87	0.0	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	20	0.87	0.0	0.87
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	20	0.87	0.19	0.9
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	20	0.87	0.3	0.66
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	20	0.87	0.24	0.73
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	20	0.86	0.05	0.86
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	20	0.86	0.05	0.86
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	20	0.86	0.05	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	20	0.86	0.0	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	20	0.86	0.0	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	20	0.86	0.0	0.86
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	20	0.86	0.24	0.95
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	20	0.86	0.24	0.95
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	20	0.86	0.24	0.95
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	20	0.86	0.0	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	20	0.86	0.0	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	20	0.86	0.0	0.86
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	20	0.86	0.38	1.08
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	20	0.86	0.2	0.92
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	20	0.86	0.18	0.78
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	20	0.86	0.03	0.84
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	20	0.86	0.22	0.96
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	20	0.85	0.05	0.84
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	20	0.85	0.05	0.84
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	20	0.85	0.05	0.84
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	20	0.85	0.36	0.92
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	20	0.85	0.14	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	20	0.85	0.14	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	20	0.85	0.14	0.85
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	20	0.85	0.02	0.84
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	20	0.85	0.1	0.82
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	20	0.85	0.54	0.5
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	20	0.85	0.48	0.57
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	0.84	0.05	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	0.84	0.05	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	0.84	0.05	0.86
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	20	0.84	0.03	0.85
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	20	0.84	0.24	0.91
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	20	0.84	0.24	0.91
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	20	0.84	0.24	0.91
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	20	0.84	0.0	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	20	0.84	0.0	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	20	0.84	0.0	0.84
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	20	0.84	0.09	0.9
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	20	0.84	0.02	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	20	0.84	0.0	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	20	0.84	0.0	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	20	0.84	0.0	0.84
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	20	0.84	0.05	0.84
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	20	0.84	0.03	0.85
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	20	0.84	0.03	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	20	0.84	0.03	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	20	0.84	0.03	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	20	0.84	0.03	0.83
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	20	0.83	0.22	0.92
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	20	0.83	0.52	1.17
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	20	0.83	0.1	0.88
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	20	0.83	0.21	0.9
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	20	0.83	0.21	0.9
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	20	0.83	0.21	0.9
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	20	0.83	0.09	0.88
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	20	0.83	0.35	0.99
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	20	0.83	0.35	0.99
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	20	0.83	0.35	0.99
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	20	0.82	0.03	0.82
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	20	0.82	0.03	0.82
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	20	0.82	0.03	0.82
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	20	0.82	0.55	1.1
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	20	0.82	0.27	0.87
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	20	0.82	0.03	0.82
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	20	0.82	0.21	0.86
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	20	0.82	0.0	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	20	0.82	0.0	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	20	0.82	0.0	0.82
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	20	0.82	0.1	0.84
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	20	0.82	0.1	0.84
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	20	0.82	0.1	0.84
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	20	0.82	0.23	0.86
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	20	0.81	0.0	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	20	0.81	0.0	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	20	0.81	0.0	0.81
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	20	0.81	0.27	0.75
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	20	0.81	0.39	0.72
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	20	0.81	0.14	0.84
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	0.81	0.01	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	0.81	0.01	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	0.81	0.01	0.8
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	20	0.8	0.03	0.8
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	20	0.8	0.1	0.83
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	20	0.8	0.16	0.88
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	20	0.8	0.03	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	20	0.8	0.03	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	20	0.8	0.03	0.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	20	0.8	0.01	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	20	0.8	0.01	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	20	0.8	0.01	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	20	0.8	0.04	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	20	0.8	0.04	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	20	0.8	0.04	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	20	0.8	0.01	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	20	0.8	0.01	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	20	0.8	0.01	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	20	0.8	0.03	0.8
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	20	0.8	0.06	0.82
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	20	0.8	0.33	0.71
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	20	0.8	0.02	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	20	0.8	0.02	0.8
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	20	0.8	0.15	0.78
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	20	0.79	0.0	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	20	0.79	0.0	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	20	0.79	0.0	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	20	0.79	0.01	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	20	0.79	0.01	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	20	0.79	0.01	0.79
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	20	0.79	0.13	0.82
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	20	0.79	0.3	0.67
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	20	0.79	0.3	0.67
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	20	0.79	0.3	0.67
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	20	0.79	0.06	0.76
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	20	0.78	0.05	0.78
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	20	0.78	0.02	0.78
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	20	0.78	0.11	0.81
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	20	0.78	0.11	0.81
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	20	0.78	0.11	0.81
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	20	0.78	0.0	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	20	0.78	0.0	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	20	0.78	0.0	0.78
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	20	0.78	0.03	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	20	0.78	0.0	0.78
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	20	0.78	0.18	0.7
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	20	0.78	0.34	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	20	0.78	0.34	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	20	0.78	0.34	1.04
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	20	0.78	0.28	0.76
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	20	0.78	0.28	0.76
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	20	0.78	0.28	0.76
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	20	0.77	0.33	0.67
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	20	0.77	0.03	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	20	0.77	0.03	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	20	0.77	0.03	0.78
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	20	0.77	0.19	0.84
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	20	0.77	0.19	0.84
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	20	0.77	0.19	0.84
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	20	0.77	0.05	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	20	0.77	0.05	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	20	0.77	0.05	0.78
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	20	0.77	0.02	0.77
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	20	0.77	0.1	0.78
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	20	0.77	0.0	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	20	0.77	0.0	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	20	0.77	0.0	0.77
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	20	0.77	0.06	0.76
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	20	0.77	0.09	0.78
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	20	0.77	0.09	0.78
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	20	0.77	0.09	0.78
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	20	0.76	0.18	0.82
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	20	0.76	0.25	0.78
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	20	0.76	0.09	0.71
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	20	0.76	0.04	0.78
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	20	0.76	0.0	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	20	0.76	0.0	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	20	0.76	0.0	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	0.76	0.0	0.76
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	20	0.76	0.05	0.75
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	0.76	0.31	0.92
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	20	0.76	0.2	0.84
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	20	0.76	0.04	0.77
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	20	0.76	0.17	0.73
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	20	0.75	0.01	0.75
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	20	0.75	0.01	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	20	0.75	0.24	0.57
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	20	0.75	0.03	0.75
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	20	0.75	0.05	0.76
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	20	0.75	0.05	0.76
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	20	0.75	0.05	0.76
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	20	0.75	0.0	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	20	0.75	0.0	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	20	0.75	0.0	0.75
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	20	0.75	0.14	0.76
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	20	0.75	0.31	0.72
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	20	0.75	0.0	0.75
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	20	0.74	0.26	0.74
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	20	0.74	0.06	0.76
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	20	0.74	0.19	0.82
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	20	0.74	0.18	0.8
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	20	0.74	0.0	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	20	0.74	0.0	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.74	0.0	0.74
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	20	0.74	0.2	0.74
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	20	0.74	0.2	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	20	0.74	0.09	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	20	0.74	0.09	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	20	0.74	0.09	0.74
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	20	0.74	0.13	0.76
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	20	0.74	0.34	0.93
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	20	0.74	0.34	0.93
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	20	0.74	0.34	0.93
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	20	0.74	0.03	0.73
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	20	0.74	0.02	0.74
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	20	0.74	0.03	0.73
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	20	0.73	0.22	0.74
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	20	0.73	0.25	0.79
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	20	0.73	0.17	0.78
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	20	0.73	0.17	0.78
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	20	0.73	0.17	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	20	0.73	0.25	0.84
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	20	0.73	0.12	0.76
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	20	0.73	0.12	0.76
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	20	0.73	0.12	0.76
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	20	0.73	0.05	0.74
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	0.73	0.04	0.73
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	20	0.73	0.06	0.74
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	20	0.73	0.6	0.52
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	20	0.73	0.03	0.72
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	20	0.73	0.22	0.78
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	20	0.73	0.09	0.74
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	20	0.73	0.35	0.96
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	20	0.73	0.24	0.56
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	20	0.72	0.01	0.72
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	20	0.72	0.04	0.72
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	20	0.72	0.05	0.72
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	20	0.72	0.27	0.94
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	0.71	0.02	0.71
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	20	0.71	0.03	0.7
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	20	0.71	0.54	1.16
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	20	0.71	0.26	0.71
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	20	0.71	0.26	0.71
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	20	0.71	0.26	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	20	0.71	0.0	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	20	0.71	0.0	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	20	0.71	0.0	0.71
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	20	0.71	0.11	0.73
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	20	0.71	0.41	0.66
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	20	0.71	0.41	0.66
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	20	0.71	0.41	0.66
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	20	0.71	0.12	0.68
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	20	0.71	0.11	0.74
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	20	0.71	0.0	0.71
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	20	0.71	0.04	0.72
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	20	0.71	0.1	0.66
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	20	0.71	0.14	0.68
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	20	0.7	0.28	0.74
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	20	0.7	0.32	0.66
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	20	0.7	0.05	0.7
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	20	0.7	0.18	0.67
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	20	0.7	0.05	0.7
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	20	0.69	0.38	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	20	0.69	0.38	0.86
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	20	0.69	0.38	0.86
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	20	0.69	0.15	0.63
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	20	0.69	0.1	0.71
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	20	0.68	0.21	0.76
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	20	0.68	0.05	0.69
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	20	0.68	0.05	0.69
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	20	0.68	0.05	0.69
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	20	0.68	0.14	0.69
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	20	0.68	0.04	0.68
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	20	0.68	0.13	0.7
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	20	0.68	0.0	0.68
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	20	0.68	0.04	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	20	0.68	0.01	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	20	0.68	0.01	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	0.68	0.0	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	0.68	0.0	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	0.68	0.0	0.68
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	20	0.67	0.01	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	20	0.67	0.01	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	20	0.67	0.01	0.67
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	20	0.67	0.03	0.67
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	20	0.67	0.19	0.74
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	20	0.67	0.23	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	20	0.66	0.01	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	20	0.66	0.01	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	20	0.66	0.01	0.66
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	20	0.66	0.26	0.46
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	20	0.66	0.45	0.41
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	20	0.66	0.26	0.81
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	20	0.66	0.01	0.66
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	20	0.66	0.02	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	20	0.66	0.01	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	20	0.66	0.01	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	20	0.66	0.01	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	20	0.66	0.24	0.76
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	20	0.66	0.27	0.44
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	20	0.66	0.14	0.6
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	20	0.66	0.02	0.66
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	20	0.65	0.12	0.66
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	20	0.65	0.12	0.66
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	20	0.65	0.12	0.66
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	20	0.65	0.06	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	20	0.65	0.01	0.65
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	20	0.65	0.26	0.8
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	0.65	0.0	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	0.65	0.0	0.65
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	20	0.65	0.07	0.68
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	20	0.65	0.05	0.66
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	0.65	0.04	0.66
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	0.65	0.04	0.66
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	0.65	0.04	0.66
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	20	0.64	0.22	0.68
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	20	0.64	0.22	0.68
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	20	0.64	0.22	0.68
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	20	0.64	0.2	0.57
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	20	0.64	0.08	0.64
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	20	0.64	0.06	0.65
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	20	0.63	0.09	0.64
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	20	0.63	0.0	0.63
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	20	0.63	0.04	0.62
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	20	0.63	0.1	0.66
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	20	0.63	0.11	0.55
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	20	0.63	0.06	0.64
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	20	0.62	0.17	0.6
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	20	0.62	0.05	0.64
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	20	0.62	0.43	0.57
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	20	0.62	0.27	0.8
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	20	0.62	0.46	0.48
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	20	0.62	0.38	0.8
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	20	0.62	0.38	0.8
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	20	0.62	0.38	0.8
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	20	0.61	0.06	0.6
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	20	0.61	0.5	0.4
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	20	0.61	0.25	0.68
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	20	0.61	0.35	0.5
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	20	0.61	0.35	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	20	0.61	0.35	0.5
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	20	0.61	0.12	0.6
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	20	0.61	0.12	0.6
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	20	0.61	0.12	0.6
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	20	0.61	0.14	0.67
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	20	0.61	0.28	0.82
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	20	0.61	0.09	0.55
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	20	0.6	0.07	0.59
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	20	0.6	0.17	0.74
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	20	0.6	0.0	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	20	0.6	0.0	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	20	0.6	0.0	0.6
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	20	0.6	0.25	0.39
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	20	0.6	0.19	0.6
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	20	0.6	0.19	0.6
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	20	0.6	0.06	0.6
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	20	0.59	0.2	0.68
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	20	0.59	0.01	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	20	0.59	0.01	0.59
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	20	0.59	0.28	0.55
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	20	0.59	0.09	0.61
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	20	0.59	0.02	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	20	0.59	0.02	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	20	0.59	0.02	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	0.59	0.0	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	0.59	0.0	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	0.59	0.0	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	20	0.59	0.0	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	20	0.59	0.0	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	20	0.59	0.0	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	20	0.59	0.01	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	20	0.59	0.01	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	20	0.58	0.0	0.58
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	20	0.58	0.03	0.57
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	20	0.58	0.21	0.62
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	20	0.58	0.21	0.62
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	20	0.58	0.21	0.62
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	20	0.58	0.33	0.42
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	20	0.58	0.01	0.58
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	20	0.57	0.25	0.72
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	20	0.57	0.0	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	20	0.57	0.0	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	20	0.57	0.0	0.57
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	20	0.57	0.26	0.55
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	20	0.57	0.03	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	20	0.57	0.0	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	20	0.57	0.0	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	20	0.57	0.0	0.57
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	20	0.57	0.14	0.58
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	20	0.56	0.0	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	20	0.56	0.0	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	20	0.56	0.0	0.56
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	20	0.56	0.1	0.56
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	20	0.56	0.02	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	20	0.56	0.0	0.56
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	20	0.56	0.19	0.48
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	20	0.56	0.13	0.57
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	20	0.56	0.13	0.57
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	20	0.56	0.13	0.57
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	20	0.56	0.26	0.35
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	20	0.56	0.07	0.58
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	20	0.56	0.0	0.56
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	20	0.55	0.25	0.41
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	20	0.55	0.0	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	20	0.55	0.0	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	20	0.55	0.0	0.55
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	20	0.55	0.28	0.52
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	20	0.55	0.28	0.52
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	20	0.55	0.28	0.52
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	20	0.55	0.02	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	20	0.55	0.02	0.55
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	20	0.55	0.15	0.55
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	20	0.55	0.03	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	20	0.55	0.01	0.55
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	20	0.55	0.09	0.53
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	20	0.54	0.24	0.47
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	20	0.54	0.26	0.33
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	20	0.54	0.25	0.6
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	20	0.54	0.0	0.54
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	20	0.53	0.23	0.66
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	20	0.53	0.22	0.62
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	20	0.53	0.22	0.62
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	20	0.53	0.22	0.62
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	20	0.53	0.0	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	20	0.53	0.0	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.53	0.0	0.53
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	20	0.53	0.09	0.54
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	20	0.53	0.05	0.52
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	20	0.53	0.13	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	20	0.53	0.12	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	20	0.53	0.12	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	20	0.53	0.12	0.5
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	20	0.52	0.02	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	20	0.52	0.0	0.52
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	20	0.52	0.27	0.68
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	20	0.51	0.14	0.46
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	20	0.51	0.35	0.4
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	20	0.51	0.35	0.4
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	20	0.51	0.35	0.4
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	20	0.5	0.45	0.24
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	20	0.5	0.15	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	20	0.5	0.15	0.52
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	20	0.5	0.19	0.4
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	20	0.5	0.31	0.41
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	20	0.49	0.27	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	20	0.49	0.03	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	20	0.49	0.03	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	20	0.49	0.03	0.49
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	0.49	0.04	0.5
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	0.49	0.04	0.5
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	0.49	0.04	0.5
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.49	0.01	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	20	0.49	0.01	0.48
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	20	0.49	0.06	0.5
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	20	0.48	0.07	0.51
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	20	0.48	0.14	0.36
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	20	0.48	0.22	0.37
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	20	0.48	0.03	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	20	0.47	0.01	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	20	0.47	0.0	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	20	0.47	0.0	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	20	0.47	0.0	0.47
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	20	0.47	0.18	0.47
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	20	0.47	0.35	0.38
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	20	0.47	0.02	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	20	0.46	0.02	0.47
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	20	0.46	0.01	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	20	0.46	0.0	0.46
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	0.46	0.07	0.45
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	20	0.46	0.0	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	20	0.46	0.0	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	20	0.46	0.0	0.46
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	20	0.46	0.04	0.45
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	20	0.46	0.03	0.46
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	20	0.46	0.02	0.46
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	20	0.46	0.22	0.55
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	20	0.45	0.03	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	20	0.45	0.03	0.46
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	20	0.45	0.02	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	20	0.45	0.01	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	20	0.45	0.01	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	20	0.45	0.01	0.45
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	20	0.45	0.02	0.45
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	20	0.44	0.03	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	20	0.44	0.01	0.44
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	20	0.44	0.19	0.36
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	20	0.44	0.1	0.43
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	20	0.44	0.23	0.33
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	20	0.44	0.01	0.44
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	20	0.43	0.16	0.58
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	20	0.43	0.06	0.42
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	20	0.43	0.17	0.4
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	20	0.43	0.07	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	20	0.43	0.01	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	20	0.43	0.0	0.43
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	20	0.42	0.1	0.44
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	20	0.42	0.03	0.42
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	20	0.42	0.03	0.42
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	20	0.42	0.03	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	20	0.42	0.02	0.41
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	20	0.42	0.02	0.41
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	20	0.41	0.22	0.29
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	20	0.41	0.02	0.41
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	20	0.41	0.03	0.41
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	20	0.41	0.03	0.41
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	20	0.41	0.03	0.41
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	20	0.4	0.23	0.29
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	20	0.4	0.28	0.29
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	20	0.4	0.28	0.29
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	20	0.4	0.28	0.29
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	20	0.4	0.0	0.4
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	20	0.4	0.26	0.21
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	20	0.4	0.03	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	20	0.39	0.01	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	20	0.39	0.01	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	20	0.39	0.01	0.39
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	20	0.39	0.2	0.29
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	20	0.39	0.09	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	20	0.39	0.03	0.39
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	20	0.37	0.17	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	20	0.37	0.17	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	20	0.37	0.17	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	20	0.37	0.14	0.25
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	20	0.37	0.2	0.32
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	20	0.37	0.0	0.37
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	20	0.37	0.02	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	20	0.37	0.02	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	20	0.37	0.02	0.38
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	20	0.37	0.07	0.39
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	20	0.37	0.01	0.37
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	20	0.36	0.05	0.32
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	20	0.36	0.02	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	20	0.36	0.02	0.36
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	20	0.35	0.0	0.35
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	20	0.35	0.17	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	20	0.35	0.01	0.35
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	20	0.34	0.24	0.28
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	20	0.34	0.27	0.15
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	20	0.34	0.16	0.3
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	20	0.33	0.01	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	20	0.33	0.01	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	20	0.33	0.01	0.33
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	20	0.33	0.09	0.32
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	20	0.33	0.09	0.34
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	20	0.33	0.04	0.34
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	20	0.33	0.04	0.34
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	20	0.33	0.24	0.2
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	0.33	0.02	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	20	0.32	0.0	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	20	0.32	0.0	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	20	0.32	0.0	0.32
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	20	0.32	0.12	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	20	0.32	0.12	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	20	0.32	0.12	0.26
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	20	0.32	0.01	0.32
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	20	0.32	0.12	0.22
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	20	0.31	0.04	0.32
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	20	0.31	0.06	0.3
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	20	0.31	0.0	0.31
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	20	0.31	0.02	0.31
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	20	0.31	0.17	0.44
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	20	0.31	0.15	0.3
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	20	0.31	0.15	0.3
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	20	0.31	0.15	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	20	0.3	0.05	0.3
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	0.3	0.02	0.3
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	20	0.3	0.02	0.29
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	20	0.3	0.03	0.29
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	20	0.3	0.02	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	20	0.29	0.02	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	20	0.29	0.02	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	20	0.29	0.02	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	20	0.29	0.01	0.29
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	20	0.29	0.08	0.24
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	20	0.29	0.03	0.29
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	20	0.28	0.02	0.28
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	20	0.28	0.02	0.28
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	20	0.28	0.04	0.26
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	20	0.28	0.05	0.26
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	20	0.28	0.01	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	20	0.27	0.03	0.28
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	20	0.27	0.02	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	20	0.27	0.01	0.27
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	20	0.26	0.03	0.26
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	20	0.26	0.03	0.26
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	20	0.26	0.03	0.26
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	20	0.26	0.03	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	20	0.26	0.0	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	20	0.26	0.0	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.26	0.0	0.26
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	20	0.25	0.02	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	20	0.25	0.02	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	20	0.25	0.02	0.25
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	20	0.25	0.03	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	20	0.25	0.0	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	20	0.25	0.01	0.25
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	20	0.25	0.04	0.25
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	0.24	0.04	0.24
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	20	0.24	0.11	0.21
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	20	0.24	0.03	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	20	0.24	0.01	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	20	0.23	0.0	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	20	0.23	0.0	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	20	0.23	0.0	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	20	0.23	0.01	0.23
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	20	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	20	0.23	0.02	0.22
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	20	0.23	0.02	0.23
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	20	0.22	0.02	0.21
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	20	0.22	0.02	0.22
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	20	0.22	0.03	0.2
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	20	0.21	0.02	0.22
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	20	0.21	0.04	0.23
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	20	0.21	0.04	0.2
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	20	0.21	0.04	0.2
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	20	0.21	0.04	0.2
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	20	0.21	0.05	0.21
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	20	0.2	0.04	0.2
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	20	0.2	0.04	0.2
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	20	0.2	0.04	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	20	0.2	0.0	0.2
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	20	0.2	0.23	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	20	0.2	0.23	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	20	0.2	0.23	0.12
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	20	0.2	0.02	0.2
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	20	0.19	0.17	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	20	0.19	0.17	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	20	0.19	0.17	0.13
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	20	0.19	0.03	0.18
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	20	0.19	0.03	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	20	0.18	0.02	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	20	0.18	0.02	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	20	0.18	0.02	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	20	0.18	0.02	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	20	0.18	0.02	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	20	0.18	0.02	0.18
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	20	0.18	0.03	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	20	0.18	0.02	0.18
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	20	0.17	0.04	0.16
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	0.17	0.0	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	0.17	0.0	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	0.17	0.0	0.17
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	20	0.17	0.02	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.16	0.01	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	20	0.16	0.0	0.16
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	20	0.16	0.02	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	20	0.16	0.01	0.16
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	20	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	20	0.14	0.01	0.14
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	20	0.13	0.01	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	20	0.12	0.01	0.12
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	20	0.12	0.01	0.11
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	19	1.95	0.82	1.89
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	19	1.86	0.47	2.02
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	19	1.86	0.47	2.02
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	19	1.86	0.47	2.02
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	19	1.77	0.56	2.06
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	19	1.59	0.75	1.77
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	19	1.59	0.75	1.77
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	19	1.59	0.75	1.77
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	19	1.58	0.56	1.7
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	19	1.57	0.72	1.55
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	19	1.52	0.72	1.74
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	19	1.48	0.3	1.55
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	19	1.48	0.3	1.55
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	19	1.48	0.3	1.55
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	19	1.46	0.44	1.61
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	19	1.36	0.17	1.34
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	19	1.36	0.17	1.34
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	19	1.36	0.17	1.34
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	19	1.29	0.72	1.49
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	19	1.21	0.29	1.26
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	19	1.21	0.29	1.26
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	19	1.21	0.29	1.26
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	19	1.17	0.53	1.49
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	19	1.1	0.22	1.05
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	19	1.07	0.49	0.99
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	19	1.06	0.61	0.85
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	19	1.03	0.26	0.99
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	19	1.03	0.26	0.99
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	19	1.03	0.26	0.99
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	19	1.01	0.17	1.03
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	19	0.99	0.11	1.02
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	19	0.98	0.18	0.99
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	19	0.98	0.18	0.99
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	19	0.98	0.18	0.99
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	19	0.97	0.27	0.98
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	19	0.96	0.41	0.99
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	19	0.95	0.53	0.96
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	19	0.95	0.53	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	19	0.95	0.53	0.96
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	19	0.93	0.41	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	19	0.93	0.41	0.93
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	19	0.91	0.36	1.09
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	19	0.91	0.44	0.98
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	19	0.91	0.44	0.98
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	19	0.91	0.44	0.98
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	19	0.89	0.2	0.97
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	19	0.87	0.36	0.83
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	19	0.86	0.2	0.93
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	19	0.86	0.13	0.9
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	19	0.82	0.2	0.85
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	19	0.82	0.2	0.85
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	19	0.82	0.2	0.85
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	19	0.82	0.03	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	19	0.82	0.03	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	19	0.82	0.03	0.82
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	19	0.82	0.26	0.83
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	19	0.82	0.26	0.83
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	19	0.82	0.26	0.83
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	19	0.82	0.24	0.93
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	19	0.82	0.24	0.93
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	19	0.82	0.24	0.93
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	19	0.79	0.18	0.79
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	19	0.79	0.18	0.79
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	19	0.79	0.18	0.79
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	19	0.78	0.19	0.84
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	19	0.78	0.19	0.84
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	19	0.78	0.19	0.84
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	19	0.78	0.2	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	19	0.77	0.05	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	19	0.77	0.05	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	19	0.77	0.05	0.78
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	19	0.72	0.14	0.77
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	19	0.72	0.14	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	19	0.72	0.14	0.77
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	19	0.7	0.35	0.77
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	19	0.7	0.35	0.77
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	19	0.7	0.35	0.77
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	19	0.67	0.26	0.72
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	19	0.67	0.13	0.69
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	19	0.66	0.42	0.77
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	19	0.65	0.22	0.63
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	19	0.64	0.22	0.66
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	19	0.63	0.48	0.37
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	19	0.62	0.23	0.62
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	19	0.62	0.23	0.62
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	19	0.62	0.23	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	19	0.62	0.23	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	19	0.62	0.23	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	19	0.62	0.23	0.62
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	19	0.59	0.21	0.63
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	19	0.58	0.03	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	19	0.58	0.03	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	19	0.58	0.03	0.58
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	19	0.54	0.26	0.57
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	19	0.54	0.26	0.57
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	19	0.54	0.26	0.57
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	19	0.53	0.17	0.53
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	19	0.53	0.17	0.53
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	19	0.53	0.17	0.53
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	19	0.5	0.26	0.67
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	19	0.5	0.14	0.51
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	19	0.5	0.14	0.51
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	19	0.5	0.14	0.51
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	19	0.48	0.07	0.51
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	19	0.47	0.19	0.45
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	19	0.45	0.07	0.43
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	19	0.43	0.18	0.44
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	19	0.43	0.18	0.44
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	19	0.43	0.18	0.44
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	19	0.41	0.11	0.43
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	19	0.39	0.09	0.41
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	19	0.38	0.14	0.38
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	19	0.38	0.14	0.38
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	19	0.38	0.14	0.38
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	19	0.36	0.14	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	19	0.36	0.21	0.3
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	19	0.35	0.11	0.35
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	19	0.35	0.11	0.36
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	19	0.34	0.1	0.31
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	19	0.32	0.11	0.31
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	19	0.32	0.11	0.31
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	19	0.32	0.11	0.31
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	19	0.32	0.06	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	19	0.31	0.04	0.32
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	19	0.3	0.24	0.19
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	19	0.27	0.09	0.25
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	19	0.27	0.09	0.25
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	19	0.27	0.09	0.25
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	19	0.25	0.08	0.24
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	19	0.25	0.05	0.23
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	19	0.24	0.05	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	19	0.23	0.05	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	19	0.23	0.05	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	19	0.23	0.05	0.24
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	19	0.22	0.06	0.21
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	19	0.2	0.04	0.19
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	19	0.19	0.05	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	19	0.19	0.05	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	19	0.19	0.05	0.18
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	19	0.18	0.03	0.19
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	19	0.15	0.02	0.15
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	19	0.13	0.02	0.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	18	1.88	0.37	1.98
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	18	1.88	0.37	1.98
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	18	1.88	0.37	1.98
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	18	1.82	0.5	2.01
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	18	1.82	0.5	2.01
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	18	1.82	0.5	2.01
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	18	1.65	0.62	1.88
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	18	1.65	0.62	1.88
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	18	1.65	0.62	1.88
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	18	1.53	0.25	1.5
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	18	1.53	0.25	1.5
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	18	1.53	0.25	1.5
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	18	1.37	0.32	1.31
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	18	1.37	0.32	1.31
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	18	1.37	0.32	1.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	18	1.32	0.78	0.95
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	18	1.32	0.78	0.95
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	18	1.32	0.78	0.95
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	18	1.24	0.43	1.26
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	18	1.24	0.43	1.26
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	18	1.24	0.43	1.26
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	18	1.2	0.61	1.41
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	18	1.19	0.23	1.23
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	18	1.19	0.39	1.21
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	18	1.19	0.39	1.21
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	18	1.19	0.39	1.21
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	18	1.14	0.23	1.19
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	18	1.12	0.22	1.15
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	18	1.08	0.25	1.14
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	18	1.03	0.53	0.96
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	18	1.03	0.53	0.96
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	18	1.01	0.08	1.02
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	18	1.0	0.07	1.02
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	18	1.0	0.07	1.02
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	18	1.0	0.07	1.02
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	18	0.99	0.41	1.08
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	18	0.99	0.41	1.08
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	18	0.99	0.41	1.08
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	18	0.9	0.38	0.93
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	18	0.89	0.15	0.83
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	18	0.86	0.33	0.98
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	18	0.86	0.33	0.98
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	18	0.86	0.33	0.98
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	18	0.85	0.2	0.94
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	18	0.84	0.29	0.88
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	18	0.83	0.2	0.85
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	18	0.82	0.27	0.94
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	18	0.82	0.06	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	18	0.82	0.06	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	18	0.82	0.06	0.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	18	0.8	0.22	0.84
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	18	0.8	0.22	0.84
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	18	0.8	0.22	0.84
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	18	0.8	0.09	0.82
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	18	0.8	0.09	0.82
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	18	0.8	0.09	0.82
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	18	0.8	0.39	0.84
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	18	0.78	0.07	0.8
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	18	0.78	0.07	0.8
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	18	0.78	0.07	0.8
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	18	0.77	0.16	0.83
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	18	0.74	0.46	0.63
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	18	0.73	0.51	0.48
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	18	0.73	0.18	0.73
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	18	0.7	0.31	0.71
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	18	0.7	0.31	0.71
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	18	0.7	0.31	0.71
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	18	0.68	0.11	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	18	0.68	0.11	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	18	0.68	0.11	0.72
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	18	0.66	0.49	0.76
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	18	0.66	0.06	0.66
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	18	0.65	0.15	0.68
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	18	0.65	0.15	0.68
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	18	0.65	0.15	0.68
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	18	0.64	0.38	0.51
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	18	0.64	0.38	0.51
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	18	0.64	0.38	0.51
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	18	0.63	0.34	0.8
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	18	0.61	0.24	0.63
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	18	0.61	0.24	0.63
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	18	0.61	0.24	0.63
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	18	0.6	0.32	0.5
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	18	0.6	0.32	0.5
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	18	0.6	0.32	0.5
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	18	0.58	0.2	0.6
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	18	0.58	0.26	0.58
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	18	0.57	0.07	0.59
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	18	0.55	0.39	0.37
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	18	0.53	0.25	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	18	0.53	0.25	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	18	0.53	0.25	0.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	18	0.51	0.23	0.56
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	18	0.51	0.23	0.56
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	18	0.51	0.1	0.53
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	18	0.5	0.43	0.2
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	18	0.49	0.08	0.51
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	18	0.49	0.08	0.51
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	18	0.49	0.08	0.51
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	18	0.46	0.28	0.42
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	18	0.45	0.19	0.39
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	18	0.44	0.2	0.37
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	18	0.44	0.08	0.42
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	18	0.43	0.26	0.38
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	18	0.41	0.2	0.45
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	18	0.41	0.2	0.45
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	18	0.41	0.2	0.45
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	18	0.41	0.18	0.48
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	18	0.41	0.18	0.48
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	18	0.41	0.18	0.48
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	18	0.4	0.16	0.35
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	18	0.4	0.16	0.35
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	18	0.4	0.16	0.35
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	18	0.4	0.11	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	18	0.4	0.11	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	18	0.4	0.11	0.46
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	18	0.4	0.14	0.4
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	18	0.4	0.15	0.42
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	18	0.4	0.15	0.42
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	18	0.4	0.15	0.42
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	18	0.38	0.16	0.3
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	18	0.36	0.1	0.36
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	18	0.36	0.1	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	0.35	0.06	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	0.35	0.06	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	0.35	0.06	0.35
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	18	0.31	0.09	0.3
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	18	0.31	0.09	0.3
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	18	0.31	0.09	0.3
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	18	0.31	0.06	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	18	0.31	0.06	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	18	0.31	0.06	0.34
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	18	0.31	0.03	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	18	0.31	0.03	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	18	0.31	0.03	0.3
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	18	0.3	0.19	0.28
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	18	0.3	0.19	0.28
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	18	0.3	0.19	0.28
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	18	0.29	0.08	0.27
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	18	0.28	0.08	0.28
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	18	0.28	0.08	0.26
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	18	0.27	0.08	0.29
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	0.26	0.06	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	0.26	0.06	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	0.26	0.06	0.26
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	18	0.24	0.04	0.24
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	18	0.22	0.09	0.2
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	18	0.2	0.03	0.21
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	18	0.18	0.05	0.17
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	18	0.18	0.15	0.11
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	18	0.14	0.03	0.13
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	18	0.13	0.02	0.13
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	17	1.54	0.84	1.65
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	17	1.48	0.71	1.38
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	17	1.43	0.56	1.68
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	17	1.34	0.58	1.17
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	17	1.14	0.5	1.15
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	17	1.1	0.07	1.12
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	17	1.1	0.07	1.12
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	17	1.1	0.07	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	17	1.1	0.18	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	17	1.1	0.18	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	17	1.1	0.18	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	17	1.1	0.18	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	17	1.1	0.18	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	17	1.1	0.18	1.12
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	17	1.09	0.09	1.12
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	17	1.09	0.43	1.13
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	17	1.08	0.14	1.05
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	17	1.08	0.14	1.05
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	17	1.08	0.14	1.05
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	17	1.07	0.36	1.1
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	17	1.07	0.36	1.1
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	17	1.07	0.36	1.1
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	17	1.03	0.07	1.05
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	17	1.0	0.08	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	17	1.0	0.54	0.94
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	17	1.0	0.54	0.94
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	17	1.0	0.54	0.94
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	17	0.89	0.27	1.05
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	17	0.87	0.07	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	17	0.87	0.07	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	17	0.87	0.07	0.85
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	17	0.84	0.31	0.96
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	17	0.83	0.13	0.84
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	17	0.83	0.13	0.84
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	17	0.83	0.13	0.84
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	17	0.8	0.27	1.02
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	17	0.76	0.25	0.72
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	17	0.76	0.25	0.72
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	17	0.76	0.25	0.72
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	17	0.75	0.53	0.66
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	17	0.75	0.53	0.66
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	17	0.75	0.53	0.66
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	17	0.73	0.39	0.82
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	17	0.73	0.39	0.82
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	17	0.73	0.39	0.82
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	17	0.73	0.25	0.74
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	17	0.73	0.25	0.74
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	17	0.73	0.25	0.74
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	17	0.73	0.05	0.72
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	17	0.73	0.05	0.72
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	17	0.73	0.05	0.72
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	17	0.71	0.43	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	17	0.71	0.43	0.53
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	17	0.7	0.32	0.68
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	17	0.69	0.19	0.74
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	17	0.68	0.14	0.69
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	17	0.68	0.14	0.69
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	17	0.62	0.2	0.73
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	17	0.62	0.22	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	17	0.62	0.24	0.6
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	17	0.62	0.24	0.6
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	17	0.62	0.24	0.6
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	17	0.62	0.18	0.62
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	17	0.62	0.18	0.62
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	17	0.62	0.18	0.62
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	17	0.61	0.07	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	17	0.61	0.07	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	17	0.61	0.07	0.59
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	17	0.6	0.13	0.62
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	17	0.57	0.33	0.54
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	17	0.57	0.2	0.65
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	17	0.52	0.18	0.46
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	17	0.51	0.07	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	17	0.51	0.06	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	17	0.51	0.06	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	17	0.51	0.06	0.52
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	17	0.49	0.23	0.42
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	17	0.49	0.23	0.42
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	17	0.49	0.23	0.42
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	17	0.49	0.52	0.31
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	17	0.49	0.52	0.31
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	17	0.49	0.52	0.31
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	17	0.49	0.2	0.52
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	17	0.49	0.2	0.52
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	17	0.49	0.2	0.52
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	17	0.48	0.1	0.49
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	17	0.48	0.17	0.5
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	17	0.48	0.17	0.5
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	17	0.48	0.17	0.5
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	17	0.47	0.18	0.51
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	17	0.45	0.11	0.44
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	17	0.45	0.11	0.44
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	17	0.45	0.11	0.44
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	17	0.45	0.17	0.49
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	17	0.42	0.11	0.4
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	17	0.41	0.19	0.34
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	17	0.4	0.11	0.38
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	17	0.39	0.04	0.39
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	17	0.39	0.3	0.29
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	17	0.38	0.22	0.33
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	17	0.34	0.1	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	17	0.33	0.09	0.3
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	17	0.29	0.12	0.26
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	17	0.29	0.12	0.26
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	17	0.29	0.12	0.26
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	17	0.28	0.06	0.28
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	17	0.27	0.03	0.27
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	17	0.27	0.17	0.2
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	17	0.27	0.06	0.27
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	17	0.25	0.04	0.24
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	17	0.2	0.06	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	17	0.2	0.06	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	17	0.2	0.06	0.2
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	17	0.14	0.02	0.14
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	17	0.13	0.02	0.12
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	16	2.14	0.55	2.3
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	16	2.14	0.55	2.3
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	16	2.14	0.55	2.3
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	16	1.9	0.05	1.92
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	16	1.9	0.05	1.92
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	16	1.9	0.05	1.92
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	16	1.88	0.27	1.94
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	16	1.88	0.27	1.94
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	16	1.88	0.27	1.94
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	16	1.67	0.1	1.69
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	16	1.67	0.33	1.79
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	16	1.67	0.33	1.79
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	16	1.59	0.22	1.57
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	16	1.59	0.22	1.57
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	16	1.59	0.22	1.57
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	16	1.27	0.81	1.22
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	16	1.27	0.81	1.22
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	16	1.27	0.81	1.22
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	16	1.25	0.53	1.12
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	16	1.25	0.53	1.12
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	16	1.25	0.53	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	16	1.18	0.29	1.23
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	16	1.18	0.29	1.23
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	16	1.18	0.29	1.23
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	16	1.16	0.6	1.24
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	16	1.16	0.6	1.24
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	16	1.16	0.6	1.24
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	16	1.16	0.74	1.14
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	16	1.16	0.74	1.14
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	16	1.16	0.74	1.14
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	16	1.12	0.14	1.1
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	16	1.12	0.14	1.1
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	16	1.12	0.14	1.1
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	16	1.11	0.06	1.1
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	16	1.11	0.52	1.06
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	16	1.09	0.16	1.12
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	16	1.04	0.27	1.1
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	16	1.04	0.27	1.1
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	16	1.04	0.27	1.1
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	16	1.02	0.03	1.02
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	16	0.99	0.18	1.08
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	16	0.99	0.18	1.08
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	16	0.99	0.18	1.08
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	16	0.97	0.1	0.97
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	16	0.97	0.1	0.97
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	16	0.97	0.1	0.97
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	16	0.97	0.41	1.12
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	16	0.95	0.43	1.03
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	16	0.95	0.43	1.03
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	16	0.95	0.43	1.03
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	16	0.94	0.19	0.9
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	16	0.93	0.34	0.97
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	16	0.93	0.34	0.97
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	16	0.93	0.34	0.97
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	16	0.89	0.29	0.84
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	16	0.89	0.29	0.84
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	16	0.89	0.29	0.84
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	16	0.86	0.24	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	16	0.86	0.24	0.86
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	16	0.86	0.24	0.86
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	16	0.85	0.22	0.84
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	16	0.85	0.22	0.84
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	16	0.85	0.22	0.84
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	16	0.85	0.39	0.8
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	16	0.83	0.72	0.52
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	16	0.83	0.15	0.8
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	16	0.82	0.34	0.83
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	16	0.82	0.34	0.83
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	16	0.82	0.34	0.83
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	16	0.8	0.67	0.6
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	16	0.8	0.67	0.6
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	16	0.8	0.35	0.8
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	16	0.8	0.35	0.8
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	16	0.8	0.35	0.8
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	16	0.79	0.26	0.89
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	16	0.79	0.16	0.82
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	16	0.79	0.16	0.82
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	16	0.79	0.16	0.82
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	16	0.78	0.45	0.8
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	16	0.75	0.24	0.88
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	16	0.75	0.17	0.79
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	16	0.75	0.24	0.74
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	16	0.75	0.24	0.74
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	16	0.74	0.1	0.74
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	16	0.74	0.1	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	16	0.74	0.1	0.74
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	16	0.71	0.57	0.35
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	16	0.71	0.57	0.35
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	16	0.71	0.57	0.35
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	16	0.7	0.27	0.78
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	16	0.67	0.23	0.71
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	16	0.67	0.23	0.71
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	16	0.67	0.23	0.71
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	16	0.66	0.25	0.69
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	16	0.63	0.5	0.54
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	16	0.63	0.5	0.54
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	16	0.63	0.5	0.54
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	16	0.62	0.02	0.62
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	16	0.6	0.18	0.63
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	16	0.6	0.18	0.63
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	16	0.6	0.18	0.63
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	16	0.59	0.31	0.48
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	16	0.59	0.31	0.48
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	16	0.59	0.31	0.48
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	16	0.59	0.28	0.56
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	16	0.55	0.26	0.66
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	16	0.55	0.26	0.66
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	16	0.55	0.26	0.66
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	16	0.54	0.31	0.4
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	16	0.51	0.2	0.54
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	16	0.51	0.2	0.54
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	16	0.51	0.2	0.54
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	16	0.51	0.22	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	16	0.51	0.22	0.46
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	16	0.48	0.09	0.47
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	16	0.47	0.25	0.57
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	16	0.45	0.07	0.46
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	16	0.45	0.29	0.38
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	16	0.44	0.22	0.4
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	16	0.43	0.12	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	16	0.43	0.08	0.42
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	16	0.43	0.24	0.4
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	16	0.42	0.13	0.45
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	16	0.39	0.1	0.43
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	16	0.38	0.06	0.36
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	16	0.37	0.09	0.36
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	16	0.36	0.09	0.34
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	16	0.36	0.16	0.36
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	16	0.36	0.08	0.36
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	16	0.36	0.08	0.36
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	16	0.36	0.08	0.36
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	16	0.35	0.08	0.36
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	16	0.35	0.08	0.36
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	16	0.35	0.08	0.36
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	16	0.34	0.17	0.29
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	16	0.34	0.17	0.29
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	16	0.34	0.17	0.29
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	16	0.31	0.14	0.28
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	16	0.31	0.14	0.28
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	16	0.31	0.14	0.28
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	16	0.31	0.16	0.3
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	16	0.31	0.16	0.3
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	16	0.31	0.16	0.3
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	16	0.28	0.08	0.29
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	16	0.25	0.05	0.26
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	16	0.24	0.07	0.23
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	16	0.24	0.04	0.24
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	16	0.23	0.06	0.24
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	16	0.19	0.13	0.12
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	16	0.19	0.13	0.12
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	16	0.19	0.13	0.12
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	16	0.18	0.07	0.18
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	16	0.16	0.02	0.16
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	16	0.14	0.02	0.14
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	16	0.13	0.05	0.12
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	16	0.11	0.01	0.11
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	15	1.71	1.17	1.74
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	15	1.65	0.09	1.64
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	15	1.65	0.09	1.64
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	15	1.65	0.09	1.64
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	15	1.54	0.67	1.75
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	15	1.54	0.67	1.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	15	1.54	0.67	1.75
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	15	1.44	0.29	1.43
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	15	1.44	0.29	1.43
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	15	1.44	0.29	1.43
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	15	1.43	0.19	1.49
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	15	1.43	0.19	1.49
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	15	1.43	0.19	1.49
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	15	1.35	0.08	1.38
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	15	1.35	0.08	1.38
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	15	1.35	0.08	1.38
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	15	1.22	0.46	1.32
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	15	1.22	0.46	1.32
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	15	1.22	0.46	1.32
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	15	1.2	0.21	1.28
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	15	1.09	0.07	1.1
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	15	1.08	0.32	1.03
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	15	1.08	0.32	1.03
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	15	1.08	0.32	1.03
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	15	1.08	0.38	1.15
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	15	1.03	0.38	1.01
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	15	1.03	0.38	1.01
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	15	1.03	0.38	1.01
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	15	0.98	0.38	1.12
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	15	0.98	0.38	1.12
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	15	0.98	0.38	1.12
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	15	0.95	0.43	0.92
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	15	0.95	0.43	0.92
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	15	0.95	0.43	0.92
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	15	0.95	0.47	0.7
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	15	0.95	0.47	0.7
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	15	0.95	0.47	0.7
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	15	0.94	0.57	1.17
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	15	0.93	0.32	0.86
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	15	0.92	0.4	0.93
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	15	0.92	0.55	1.02
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	15	0.92	0.55	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	15	0.92	0.55	1.02
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	15	0.9	0.32	1.01
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	15	0.85	0.22	0.91
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	15	0.82	0.09	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	15	0.82	0.09	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	15	0.82	0.09	0.84
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	15	0.82	0.11	0.83
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	15	0.82	0.11	0.83
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	15	0.82	0.11	0.83
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	15	0.82	0.14	0.8
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	15	0.82	0.14	0.8
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	15	0.82	0.14	0.8
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	15	0.81	0.52	0.62
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	15	0.78	0.11	0.79
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	15	0.78	0.11	0.79
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	15	0.78	0.11	0.79
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	15	0.78	0.2	0.87
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	15	0.77	0.16	0.79
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	15	0.74	0.59	0.48
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	15	0.72	0.44	0.52
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	15	0.72	0.4	0.87
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	15	0.72	0.4	0.87
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	15	0.72	0.4	0.87
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	15	0.71	0.11	0.68
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	15	0.71	0.11	0.68
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	15	0.71	0.11	0.68
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	15	0.68	0.33	0.67
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	15	0.67	0.26	0.64
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	15	0.66	0.38	0.68
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	15	0.66	0.38	0.68
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	15	0.66	0.38	0.68
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	15	0.66	0.09	0.66
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	15	0.64	0.31	0.71
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	15	0.64	0.31	0.71
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	15	0.64	0.31	0.71
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	15	0.62	0.18	0.66
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	15	0.62	0.18	0.66
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	15	0.62	0.18	0.66
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	15	0.62	0.33	0.54
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	15	0.62	0.33	0.54
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	15	0.62	0.33	0.54
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	15	0.61	0.23	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	15	0.6	0.06	0.59
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	15	0.6	0.06	0.59
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	15	0.6	0.06	0.59
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	15	0.58	0.09	0.59
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	15	0.57	0.1	0.59
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	15	0.56	0.17	0.5
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	15	0.55	0.05	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	15	0.55	0.02	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	15	0.55	0.02	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	15	0.55	0.02	0.56
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	15	0.55	0.51	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	15	0.55	0.51	0.44
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	15	0.55	0.04	0.54
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	15	0.54	0.31	0.47
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	15	0.54	0.37	0.53
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	15	0.49	0.53	0.29
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	15	0.49	0.21	0.5
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	15	0.49	0.21	0.5
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	15	0.49	0.21	0.5
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	15	0.47	0.06	0.46
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	15	0.46	0.11	0.42
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	15	0.45	0.25	0.33
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	15	0.44	0.64	0.15
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	15	0.44	0.64	0.15
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	15	0.44	0.64	0.15
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	15	0.44	0.19	0.51
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	15	0.44	0.19	0.51
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	15	0.44	0.19	0.51
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	15	0.43	0.05	0.44
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	15	0.41	0.05	0.43
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	15	0.37	0.07	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	15	0.37	0.07	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	15	0.37	0.07	0.39
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	15	0.35	0.16	0.34
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	15	0.35	0.19	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	15	0.34	0.04	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	15	0.34	0.04	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	15	0.34	0.04	0.35
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	15	0.34	0.13	0.31
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	15	0.34	0.13	0.31
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	15	0.34	0.13	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	15	0.33	0.07	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	15	0.33	0.07	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	15	0.33	0.07	0.32
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	15	0.33	0.1	0.38
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	15	0.3	0.13	0.29
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	15	0.26	0.13	0.22
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	15	0.26	0.13	0.22
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	15	0.26	0.13	0.22
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	15	0.23	0.07	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	15	0.23	0.07	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	15	0.23	0.07	0.24
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	15	0.2	0.08	0.16
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	15	0.2	0.08	0.17
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	15	0.2	0.08	0.17
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	15	0.2	0.08	0.17
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	15	0.18	0.05	0.18
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	15	0.16	0.04	0.15
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	15	0.15	0.03	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	15	0.15	0.03	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	15	0.15	0.03	0.14
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	15	0.13	0.02	0.13
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	14	1.61	0.18	1.67
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	14	1.48	0.24	1.55
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	14	1.39	0.24	1.46
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	14	1.33	0.63	1.5
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	14	1.28	0.58	1.58
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	14	1.25	0.38	1.27
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	14	1.04	0.55	1.14
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	14	1.04	0.55	1.14
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	14	1.04	0.55	1.14
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	14	0.96	0.28	1.02
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	14	0.92	0.33	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	14	0.92	0.33	1.06
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	14	0.92	0.33	1.06
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	14	0.9	0.32	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	14	0.9	0.32	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	14	0.9	0.32	1.0
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	14	0.88	0.4	0.93
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	14	0.86	0.34	0.93
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	14	0.86	0.34	0.93
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	14	0.86	0.34	0.93
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	14	0.85	0.25	1.0
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	14	0.85	0.25	1.0
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	14	0.85	0.25	1.0
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	14	0.84	0.3	0.86
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	14	0.84	0.3	0.86
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	14	0.82	0.5	0.8
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	14	0.81	0.34	0.82
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	14	0.81	0.34	0.82
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	14	0.81	0.34	0.82
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	14	0.8	0.19	0.76
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	14	0.8	0.19	0.76
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	14	0.8	0.19	0.76
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	14	0.78	0.45	0.81
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	14	0.78	0.35	0.84
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	14	0.78	0.35	0.84
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	14	0.78	0.35	0.84
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	14	0.76	0.2	0.82
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	14	0.74	0.03	0.75
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	14	0.74	0.03	0.75
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	14	0.74	0.03	0.75
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	14	0.72	0.23	0.63
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	14	0.71	0.33	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	14	0.71	0.33	0.75
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	14	0.71	0.33	0.75
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	14	0.71	0.2	0.68
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	14	0.71	0.2	0.68
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	14	0.71	0.2	0.68
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	14	0.7	0.22	0.74
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	14	0.7	0.22	0.74
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	14	0.7	0.22	0.74
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	14	0.7	0.18	0.76
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	14	0.67	0.21	0.74
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	14	0.67	0.21	0.74
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	14	0.67	0.21	0.74
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	14	0.64	0.07	0.65
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	14	0.63	0.27	0.7
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	14	0.61	0.37	0.52
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	14	0.59	0.25	0.5
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	14	0.58	0.22	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	14	0.58	0.22	0.68
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	14	0.55	0.12	0.54
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	14	0.55	0.22	0.55
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	14	0.55	0.22	0.55
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	14	0.55	0.22	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	14	0.54	0.2	0.58
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	14	0.54	0.2	0.58
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	14	0.54	0.2	0.58
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	14	0.53	0.08	0.52
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	14	0.53	0.28	0.5
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	14	0.51	0.37	0.38
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	14	0.5	0.2	0.51
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	14	0.47	0.32	0.26
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	14	0.47	0.32	0.26
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	14	0.47	0.32	0.26
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	14	0.47	0.23	0.32
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	14	0.46	0.17	0.49
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	14	0.46	0.02	0.46
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	14	0.45	0.23	0.48
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	14	0.44	0.25	0.34
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	14	0.44	0.25	0.34
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	14	0.44	0.25	0.34
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	14	0.44	0.28	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	14	0.44	0.28	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	14	0.44	0.28	0.36
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	14	0.43	0.21	0.36
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	14	0.42	0.04	0.43
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	14	0.42	0.36	0.27
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	14	0.42	0.36	0.27
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	14	0.42	0.36	0.27
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	14	0.41	0.11	0.43
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	14	0.39	0.2	0.35
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	14	0.39	0.17	0.38
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	14	0.38	0.01	0.38
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	14	0.36	0.04	0.35
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	14	0.34	0.2	0.26
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	14	0.32	0.19	0.28
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	14	0.32	0.13	0.29
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	14	0.32	0.13	0.29
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	14	0.32	0.13	0.29
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	14	0.32	0.11	0.32
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	14	0.32	0.13	0.36
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	14	0.31	0.17	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	14	0.31	0.17	0.29
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	14	0.31	0.17	0.29
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	14	0.3	0.13	0.3
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	14	0.27	0.12	0.26
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	14	0.27	0.15	0.21
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	14	0.27	0.15	0.21
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	14	0.27	0.15	0.21
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	14	0.25	0.09	0.25
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	14	0.24	0.07	0.26
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	14	0.2	0.05	0.2
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	14	0.19	0.03	0.19
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	14	0.13	0.02	0.12
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	13	2.21	1.13	2.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	13	2.21	1.13	2.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	13	2.21	1.13	2.19
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	13	1.5	0.81	1.48
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	13	1.5	0.81	1.48
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	13	1.5	0.81	1.48
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	13	1.35	0.47	1.41
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	13	1.35	0.47	1.41
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	13	1.35	0.47	1.41
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	13	1.34	0.36	1.44
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	13	1.34	0.36	1.44
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	13	1.34	0.36	1.44
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	13	1.24	0.52	1.19
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	13	1.05	0.53	1.1
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	13	1.05	0.53	1.1
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	13	1.05	0.53	1.1
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	13	1.05	0.29	1.13
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	13	1.05	0.29	1.13
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	13	1.05	0.29	1.13
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	13	0.98	0.39	0.93
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	13	0.98	0.39	0.93
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	13	0.98	0.39	0.93
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	0.94	0.54	1.33
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	0.94	0.54	1.33
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	0.94	0.54	1.33
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	13	0.92	0.15	0.93
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	13	0.92	0.31	0.97
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	13	0.92	0.31	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	13	0.92	0.31	0.97
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	13	0.89	0.45	0.87
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	13	0.89	0.45	0.87
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	13	0.86	0.48	0.78
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	13	0.84	0.55	0.88
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	13	0.84	0.55	0.88
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	13	0.84	0.55	0.88
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	13	0.81	0.75	0.45
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	13	0.81	0.75	0.45
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	13	0.81	0.75	0.45
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	13	0.65	0.12	0.64
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	13	0.65	0.4	0.49
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	13	0.64	0.09	0.64
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	13	0.63	0.35	0.66
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	13	0.6	0.32	0.48
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	13	0.6	0.33	0.53
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	13	0.59	0.28	0.68
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	13	0.58	0.19	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	13	0.58	0.19	0.53
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	13	0.56	0.27	0.62
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	13	0.54	0.11	0.54
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	13	0.53	0.05	0.53
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	13	0.53	0.28	0.58
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	13	0.53	0.28	0.58
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	13	0.53	0.28	0.58
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	13	0.52	0.16	0.5
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	13	0.51	0.16	0.56
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	13	0.51	0.27	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	13	0.51	0.05	0.5
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	13	0.51	0.19	0.51
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	13	0.51	0.19	0.51
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	13	0.51	0.19	0.51
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	13	0.5	0.4	0.36
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	13	0.5	0.47	0.3
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	13	0.46	0.2	0.4
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	13	0.46	0.21	0.59
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	13	0.45	0.11	0.46
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	13	0.45	0.06	0.45
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	13	0.44	0.15	0.44
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	13	0.44	0.18	0.41
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	13	0.44	0.19	0.46
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	13	0.43	0.16	0.45
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	13	0.42	0.23	0.43
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	13	0.42	0.23	0.43
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	13	0.42	0.23	0.43
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	13	0.42	0.11	0.38
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	13	0.41	0.04	0.42
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	13	0.41	0.04	0.42
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	13	0.41	0.04	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	13	0.39	0.05	0.4
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	13	0.39	0.18	0.38
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	13	0.39	0.18	0.38
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	13	0.39	0.18	0.38
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	13	0.37	0.29	0.26
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	13	0.37	0.29	0.26
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	13	0.37	0.29	0.26
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	13	0.37	0.07	0.33
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	13	0.36	0.25	0.24
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	13	0.36	0.25	0.24
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	13	0.36	0.25	0.24
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	13	0.35	0.07	0.36
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	13	0.33	0.02	0.33
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	13	0.29	0.05	0.3
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	13	0.29	0.09	0.27
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	13	0.29	0.11	0.25
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	13	0.25	0.2	0.19
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	13	0.24	0.07	0.24
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	13	0.22	0.07	0.24
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	13	0.19	0.06	0.19
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	13	0.19	0.06	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	13	0.19	0.06	0.19
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	13	0.19	0.08	0.16
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	13	0.18	0.03	0.16
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	13	0.17	0.05	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	13	0.17	0.05	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	13	0.17	0.05	0.17
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	13	0.14	0.03	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	13	0.13	0.02	0.14
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	13	0.13	0.01	0.13
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	12	2.89	1.04	2.8
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	12	2.89	1.04	2.8
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	12	2.89	1.04	2.8
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	12	1.42	0.43	1.66
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	12	1.42	0.43	1.66
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	12	1.42	0.43	1.66
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	12	1.38	0.46	1.55
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	12	1.31	0.18	1.38
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	12	1.31	0.18	1.38
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	12	1.31	0.18	1.38
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	12	1.28	0.44	1.43
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	12	1.28	0.44	1.43
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	12	1.28	0.44	1.43
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	12	1.28	0.37	1.25
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	12	1.28	0.37	1.25
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	12	1.28	0.37	1.25
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	12	1.23	0.66	1.69
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	12	1.23	0.66	1.69
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	12	1.23	0.66	1.69
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	12	1.23	0.4	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	12	1.23	0.4	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	12	1.23	0.4	1.42
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	12	1.21	0.83	1.8
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	12	1.16	0.5	1.24
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	12	1.16	0.5	1.24
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	12	1.16	0.5	1.24
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	12	1.09	0.43	1.18
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	12	1.08	0.12	1.12
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	12	1.07	0.38	1.11
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	12	1.01	0.19	1.08
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	12	1.01	0.19	1.08
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	12	1.01	0.19	1.08
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	12	0.97	0.05	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	12	0.93	0.21	1.02
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	12	0.89	0.68	0.6
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	12	0.89	0.68	0.6
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	12	0.89	0.68	0.6
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	12	0.88	0.25	0.91
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	12	0.88	0.25	0.91
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	12	0.88	0.25	0.91
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	12	0.87	0.21	0.96
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	12	0.87	0.21	0.96
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	12	0.87	0.21	0.96
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	12	0.83	0.46	1.03
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	12	0.83	0.46	1.03
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	12	0.83	0.46	1.03
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	12	0.81	0.47	0.74
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	12	0.81	0.47	0.74
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	12	0.81	0.47	0.74
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	12	0.78	0.5	0.79
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.77	0.06	0.77
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.77	0.06	0.77
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.77	0.06	0.77
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	12	0.77	0.42	0.73
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	12	0.77	0.42	0.73
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	12	0.77	0.42	0.73
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	12	0.76	0.42	1.0
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.74	0.06	0.73
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.74	0.06	0.73
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.74	0.06	0.73
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	12	0.73	0.46	0.62
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	12	0.72	0.46	0.68
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	12	0.72	0.46	0.68
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	12	0.72	0.46	0.68
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	12	0.72	0.25	0.72
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	12	0.72	0.25	0.72
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	12	0.72	0.25	0.72
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	12	0.71	0.47	0.68
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	12	0.71	0.47	0.68
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	12	0.71	0.47	0.68
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	12	0.7	0.3	0.74
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	12	0.7	0.3	0.74
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	12	0.7	0.3	0.74
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	12	0.7	0.27	0.8
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	12	0.7	0.27	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	12	0.7	0.27	0.8
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	12	0.7	0.26	0.72
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	12	0.69	0.45	0.45
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	12	0.69	0.45	0.45
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	12	0.69	0.45	0.45
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	12	0.68	0.19	0.76
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	12	0.68	0.19	0.76
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	12	0.68	0.42	0.62
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	12	0.68	0.42	0.62
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	12	0.68	0.42	0.62
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	12	0.68	0.32	0.69
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	12	0.65	0.25	0.7
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	12	0.65	0.25	0.7
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	12	0.62	0.51	0.4
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	12	0.6	0.23	0.61
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	12	0.55	0.07	0.55
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	12	0.54	0.03	0.55
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	12	0.54	0.32	0.47
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	12	0.52	0.06	0.53
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	12	0.5	0.25	0.5
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	12	0.5	0.25	0.5
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	12	0.5	0.25	0.5
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	12	0.5	0.19	0.56
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	12	0.5	0.18	0.56
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	12	0.5	0.18	0.56
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	12	0.5	0.18	0.56
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	12	0.5	0.17	0.44
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	12	0.5	0.17	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	12	0.5	0.17	0.44
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	12	0.49	0.23	0.44
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	12	0.48	0.16	0.52
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	12	0.47	0.28	0.44
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	12	0.47	0.28	0.44
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	12	0.47	0.03	0.47
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	12	0.47	0.11	0.48
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	12	0.47	0.17	0.54
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	12	0.46	0.23	0.38
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	12	0.46	0.23	0.38
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	12	0.46	0.23	0.38
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	12	0.45	0.2	0.48
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	12	0.45	0.2	0.48
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	12	0.43	0.29	0.38
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	12	0.42	0.15	0.39
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	12	0.42	0.02	0.42
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	12	0.41	0.09	0.4
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	12	0.4	0.03	0.4
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	12	0.4	0.18	0.46
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	12	0.39	0.21	0.33
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	12	0.39	0.21	0.33
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	12	0.39	0.21	0.33
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	12	0.38	0.29	0.36
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	12	0.38	0.11	0.38
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	12	0.38	0.11	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	12	0.37	0.19	0.35
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	12	0.37	0.19	0.35
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	12	0.37	0.1	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	12	0.37	0.1	0.35
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	12	0.37	0.1	0.35
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	12	0.35	0.23	0.28
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	12	0.35	0.11	0.34
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	12	0.35	0.11	0.34
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	12	0.35	0.11	0.34
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	12	0.34	0.09	0.34
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	12	0.34	0.06	0.34
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	12	0.34	0.06	0.34
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	12	0.34	0.06	0.34
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	12	0.33	0.12	0.36
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	12	0.32	0.14	0.26
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	12	0.32	0.11	0.32
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	12	0.31	0.15	0.29
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	12	0.31	0.15	0.29
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	12	0.29	0.14	0.32
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	12	0.27	0.13	0.22
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	12	0.25	0.08	0.24
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	12	0.25	0.08	0.24
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	12	0.25	0.08	0.24
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	12	0.24	0.05	0.24
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	12	0.24	0.07	0.26
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	12	0.23	0.08	0.24
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	12	0.19	0.04	0.19
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	12	0.17	0.03	0.16
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	12	0.16	0.04	0.16
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	12	0.16	0.04	0.16
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	12	0.16	0.04	0.16
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	12	0.14	0.02	0.15
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	12	0.14	0.02	0.15
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	12	0.14	0.02	0.15
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	11	1.77	0.48	1.97
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	11	1.77	0.48	1.97
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	11	1.77	0.48	1.97
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	11	1.26	0.33	1.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	11	1.26	0.33	1.33
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	11	1.26	0.33	1.33
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	11	1.25	0.48	1.44
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	11	1.24	0.52	1.22
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	11	1.24	0.52	1.22
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	11	1.24	0.52	1.22
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	11	1.18	0.39	1.31
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	11	1.1	0.35	1.03
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	11	1.1	0.35	1.03
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	11	1.1	0.35	1.03
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	11	1.07	0.57	1.33
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	11	1.06	0.36	1.05
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	11	1.06	0.36	1.05
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	11	1.06	0.36	1.05
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	11	1.02	0.61	1.02
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	11	1.02	0.61	1.02
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	11	1.02	0.61	1.02
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	11	1.01	0.62	0.93
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	11	0.97	0.26	1.16
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	11	0.94	0.66	0.61
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	11	0.93	0.35	0.9
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	11	0.93	0.35	0.9
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	11	0.93	0.35	0.9
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	11	0.92	0.32	0.93
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	11	0.87	0.24	0.88
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	11	0.87	0.24	0.88
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	11	0.87	0.24	0.88
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	11	0.86	0.41	0.76
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	11	0.86	0.41	0.76
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	11	0.86	0.41	0.76
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	11	0.84	0.45	0.74
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	11	0.84	0.45	0.74
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	11	0.84	0.45	0.74
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	11	0.81	0.47	1.09
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	11	0.81	0.47	1.09
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	11	0.81	0.47	1.09
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	11	0.8	0.16	0.79
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	11	0.8	0.31	0.74
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	11	0.8	0.31	0.74
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	11	0.8	0.31	0.74
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	11	0.8	0.45	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	11	0.8	0.45	0.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	11	0.8	0.45	0.95
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	11	0.79	0.09	0.82
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	11	0.79	0.08	0.81
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	11	0.79	0.2	0.76
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	11	0.79	0.2	0.76
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	11	0.79	0.2	0.76
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	11	0.78	0.22	0.71
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	11	0.78	0.34	0.96
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	11	0.77	0.09	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	11	0.77	0.09	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	11	0.77	0.09	0.78
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	11	0.75	0.76	0.47
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	11	0.75	0.76	0.47
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	11	0.75	0.76	0.47
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	11	0.74	0.42	0.63
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	11	0.74	0.42	0.63
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	11	0.74	0.42	0.63
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	11	0.74	0.44	0.72
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	11	0.73	0.06	0.74
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	11	0.73	0.29	0.6
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	11	0.73	0.44	0.7
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	11	0.72	0.35	0.73
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	11	0.72	0.35	0.73
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	11	0.72	0.35	0.73
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	11	0.7	0.36	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	11	0.7	0.36	0.62
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	11	0.69	0.33	0.6
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	11	0.67	0.26	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	11	0.67	0.26	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	11	0.67	0.26	0.87
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	11	0.66	0.25	0.66
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	11	0.66	0.25	0.66
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	11	0.66	0.25	0.66
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	11	0.66	0.22	0.63
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	11	0.65	0.02	0.65

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	11	0.62	0.42	0.61
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	11	0.61	0.06	0.62
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	11	0.59	0.32	0.39
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	11	0.57	0.24	0.65
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	11	0.55	0.1	0.58
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	11	0.53	0.2	0.5
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	11	0.53	0.2	0.5
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	11	0.53	0.2	0.5
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	11	0.52	0.06	0.53
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	11	0.52	0.31	0.7
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	11	0.51	0.18	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	11	0.51	0.18	0.52
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	11	0.51	0.25	0.58
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	11	0.5	0.28	0.35
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	11	0.49	0.2	0.49
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	11	0.49	0.34	0.36
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	11	0.49	0.34	0.36
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	11	0.49	0.34	0.36
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	11	0.48	0.25	0.43
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	11	0.48	0.29	0.45
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	11	0.48	0.29	0.45
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	11	0.48	0.29	0.45
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	11	0.48	0.25	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	11	0.48	0.25	0.44
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	11	0.47	0.29	0.34
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	11	0.47	0.29	0.34
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	11	0.47	0.29	0.34
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	11	0.47	0.09	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	11	0.47	0.23	0.5
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	11	0.47	0.23	0.5
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	11	0.47	0.23	0.5
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	11	0.46	0.33	0.38
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	11	0.46	0.33	0.38
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	11	0.46	0.33	0.38
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	11	0.46	0.31	0.3
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	11	0.45	0.13	0.51
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	11	0.42	0.24	0.35
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	11	0.42	0.24	0.35
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	11	0.42	0.24	0.35
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	11	0.41	0.32	0.29
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	11	0.4	0.25	0.28
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	11	0.4	0.25	0.28
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	11	0.4	0.25	0.28
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	11	0.38	0.05	0.4
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	11	0.37	0.19	0.44
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	11	0.37	0.22	0.28
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	11	0.37	0.22	0.28
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	11	0.37	0.22	0.28
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	11	0.36	0.28	0.31
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	11	0.36	0.14	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	11	0.36	0.14	0.34
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	11	0.36	0.17	0.31
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	11	0.34	0.21	0.31
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	11	0.34	0.07	0.31
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	11	0.34	0.05	0.36
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	11	0.3	0.15	0.24
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	11	0.3	0.14	0.3
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	11	0.29	0.14	0.27
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	11	0.28	0.16	0.2
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	11	0.27	0.13	0.25
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	11	0.27	0.12	0.26
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	11	0.27	0.12	0.26
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	11	0.27	0.12	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	11	0.24	0.11	0.21
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	11	0.19	0.06	0.19
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	11	0.19	0.05	0.19
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	11	0.17	0.07	0.14
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	11	0.17	0.07	0.14
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	11	0.17	0.07	0.14
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	11	0.16	0.01	0.16
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	11	0.16	0.03	0.17
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	11	0.15	0.03	0.16
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	11	0.13	0.02	0.13
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	11	0.12	0.01	0.12
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	10	1.4	0.57	1.72
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	10	1.3	0.38	1.36
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	10	1.3	0.38	1.36
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	10	1.3	0.38	1.36
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	10	1.17	0.24	1.19
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	10	1.1	0.6	1.0
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	10	1.1	0.6	1.0
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	10	1.02	0.7	0.68
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	10	1.02	0.7	0.68
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	10	1.02	0.7	0.68
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	10	0.96	0.29	1.12
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	10	0.9	0.3	0.83
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	10	0.9	0.27	1.01
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	10	0.88	0.67	0.87
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	10	0.88	0.67	0.87
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	10	0.88	0.67	0.87
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	10	0.86	0.32	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	10	0.86	0.32	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	10	0.86	0.32	1.08
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	10	0.85	0.28	0.8
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	10	0.81	0.07	0.83
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	10	0.81	0.07	0.83
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	10	0.81	0.07	0.83
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	10	0.79	0.27	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	10	0.79	0.4	0.77
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	10	0.79	0.4	0.77
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	10	0.79	0.4	0.77
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	10	0.79	0.28	0.7
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	10	0.79	0.28	0.7
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	10	0.79	0.28	0.7
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	10	0.78	0.4	0.62
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	10	0.78	0.4	0.62
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	10	0.78	0.4	0.62
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	10	0.78	0.24	0.82
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	10	0.78	0.24	0.82
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	10	0.78	0.24	0.82
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	10	0.76	0.08	0.78
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	10	0.76	0.08	0.78
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	10	0.76	0.08	0.78
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	10	0.75	0.4	0.79
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	10	0.74	0.26	0.78
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	10	0.74	0.26	0.78
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	10	0.74	0.26	0.78
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	10	0.74	0.2	0.74
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	10	0.73	0.26	0.78
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	10	0.73	0.26	0.78
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	10	0.73	0.26	0.78
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	10	0.73	0.36	0.64
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	10	0.73	0.36	0.64
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	10	0.73	0.36	0.64
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	10	0.72	0.14	0.79
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	10	0.67	0.4	0.72
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	10	0.67	0.4	0.72
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	10	0.67	0.4	0.72
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	10	0.66	0.3	0.74
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	10	0.65	0.37	0.7
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	10	0.64	0.26	0.68
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	10	0.61	0.24	0.62
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	10	0.61	0.24	0.62
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	10	0.61	0.24	0.62
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	10	0.6	0.05	0.6
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	10	0.6	0.39	0.55
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	10	0.59	0.2	0.7
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	10	0.59	0.2	0.7
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	10	0.59	0.2	0.7
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	10	0.58	0.07	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	10	0.57	0.55	0.42
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	10	0.57	0.11	0.62
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	10	0.55	0.36	0.48
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	10	0.53	0.23	0.51
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	10	0.53	0.23	0.51
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	10	0.53	0.23	0.51
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	10	0.51	0.19	0.5
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	10	0.51	0.08	0.5
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	10	0.51	0.23	0.56
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	10	0.51	0.13	0.55
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	10	0.51	0.22	0.59
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	10	0.5	0.2	0.52
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	10	0.5	0.2	0.52
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	10	0.5	0.2	0.52
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	10	0.49	0.25	0.53
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	10	0.48	0.3	0.36
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	10	0.48	0.3	0.36
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	10	0.46	0.24	0.42
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	10	0.44	0.15	0.4
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	10	0.42	0.26	0.36
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	10	0.42	0.26	0.36
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	10	0.42	0.26	0.36
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	10	0.4	0.07	0.37
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	10	0.39	0.2	0.38
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	10	0.38	0.19	0.36
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	10	0.38	0.19	0.36
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	10	0.38	0.19	0.36
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	10	0.36	0.23	0.29
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	10	0.36	0.16	0.31
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	10	0.35	0.04	0.35
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	10	0.35	0.12	0.36
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	10	0.35	0.12	0.36
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	10	0.35	0.12	0.36
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	10	0.34	0.27	0.18
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	10	0.34	0.08	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	10	0.33	0.17	0.3
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	10	0.33	0.12	0.32
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	10	0.32	0.07	0.34
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	10	0.32	0.07	0.34
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	10	0.32	0.07	0.34
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	10	0.32	0.14	0.29
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	10	0.32	0.11	0.34
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	10	0.32	0.11	0.34
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	10	0.32	0.11	0.34
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	10	0.31	0.07	0.28
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	10	0.3	0.19	0.24
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	10	0.3	0.19	0.24
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	10	0.3	0.19	0.24
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	10	0.3	0.05	0.31
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	10	0.29	0.12	0.34
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	10	0.29	0.13	0.24
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	10	0.27	0.18	0.18
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	10	0.26	0.08	0.25
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	10	0.26	0.08	0.25
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	10	0.26	0.08	0.25
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	10	0.26	0.09	0.25
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	10	0.25	0.08	0.3
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	0.25	0.07	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	0.25	0.07	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	0.25	0.07	0.26
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	10	0.24	0.15	0.17
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	10	0.23	0.09	0.22
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	10	0.23	0.09	0.22
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	10	0.23	0.09	0.22
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	10	0.22	0.07	0.25
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	10	0.22	0.07	0.25
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	10	0.22	0.07	0.25
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	10	0.21	0.05	0.2
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	10	0.2	0.03	0.21
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	10	0.18	0.05	0.16
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	10	0.17	0.06	0.16
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	10	0.17	0.06	0.16
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	10	0.17	0.06	0.16
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	10	0.12	0.02	0.12
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	9	1.6	1.41	1.74
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	9	1.6	1.41	1.74
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	9	1.6	1.41	1.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	9	1.52	0.3	1.47
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	9	1.52	0.3	1.47
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	9	1.52	0.3	1.47
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	9	1.25	0.15	1.3
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	9	1.21	0.18	1.12
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	9	1.2	0.41	1.27
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	9	1.2	0.41	1.27
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	9	1.2	0.41	1.27
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	9	1.15	0.29	1.21
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	9	1.14	0.27	1.2
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	9	1.1	0.2	1.19
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	9	1.1	0.2	1.19
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	9	1.1	0.2	1.19
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	9	1.07	0.49	0.96
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	9	1.07	0.49	0.96
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	9	1.07	0.49	0.96
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	9	1.04	0.35	1.16
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	9	1.03	0.89	0.46
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	9	1.03	0.89	0.46
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	9	1.03	0.89	0.46
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	9	0.92	0.52	0.69
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	9	0.89	0.48	1.14
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	9	0.8	0.23	0.8
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	9	0.8	0.23	0.8
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	9	0.8	0.23	0.8
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	9	0.78	0.32	0.84
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	9	0.77	0.43	0.78
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	9	0.77	0.43	0.78
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	9	0.77	0.43	0.78
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	9	0.75	0.24	0.79
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	9	0.75	0.24	0.79
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	9	0.75	0.24	0.79
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	9	0.74	0.37	0.56
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	9	0.74	0.37	0.56
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	9	0.74	0.37	0.56
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	9	0.72	0.38	0.82
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	9	0.72	0.27	0.88
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	9	0.67	0.33	0.56
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	9	0.67	0.19	0.65
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	9	0.67	0.19	0.65
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	9	0.67	0.19	0.65
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	9	0.66	0.23	0.71

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	9	0.66	0.23	0.71
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	9	0.66	0.23	0.71
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	9	0.65	0.24	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	9	0.65	0.24	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	9	0.65	0.24	0.79
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	9	0.63	0.44	0.44
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	9	0.63	0.44	0.44
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	9	0.62	0.59	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	9	0.62	0.59	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	9	0.62	0.59	0.5
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	9	0.58	0.4	0.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	9	0.58	0.4	0.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	9	0.58	0.4	0.35
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	9	0.58	0.19	0.6
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	9	0.58	0.19	0.6
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	9	0.58	0.19	0.6
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	9	0.58	0.22	0.54
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	9	0.57	0.3	0.74
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	9	0.57	0.26	0.52
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	9	0.57	0.28	0.43
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	9	0.55	0.07	0.54
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	9	0.55	0.07	0.54
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	9	0.55	0.07	0.54
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	9	0.55	0.23	0.46
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	9	0.55	0.23	0.46
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	9	0.55	0.23	0.46
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	9	0.54	0.24	0.68
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	9	0.54	0.24	0.68
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	9	0.54	0.24	0.68
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	9	0.53	0.23	0.5
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	9	0.53	0.23	0.5
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	9	0.53	0.23	0.5
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	9	0.52	0.37	0.37
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	9	0.52	0.37	0.37
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	9	0.52	0.37	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	9	0.52	0.15	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	9	0.52	0.15	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	9	0.52	0.15	0.57
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	9	0.52	0.12	0.56
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	9	0.51	0.41	0.34
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	9	0.51	0.16	0.5
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	9	0.5	0.28	0.45
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	9	0.5	0.28	0.45
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	9	0.5	0.28	0.45
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	9	0.49	0.21	0.52
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	9	0.49	0.21	0.52
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	9	0.49	0.21	0.52
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	9	0.48	0.19	0.48
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	9	0.48	0.19	0.48
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	9	0.48	0.19	0.48
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	9	0.47	0.24	0.37
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	9	0.47	0.18	0.41
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	9	0.47	0.18	0.41
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	9	0.47	0.18	0.41
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	9	0.47	0.17	0.49
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	9	0.47	0.17	0.49
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	9	0.47	0.17	0.49
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	9	0.46	0.19	0.4
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	9	0.46	0.34	0.2
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	9	0.44	0.1	0.47
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	9	0.43	0.12	0.4
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	9	0.42	0.43	0.19
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	9	0.39	0.04	0.39
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	9	0.39	0.23	0.25
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	9	0.39	0.23	0.25
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	9	0.39	0.23	0.25
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	9	0.39	0.34	0.19
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	9	0.39	0.34	0.19
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	9	0.39	0.34	0.19
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	9	0.39	0.2	0.38
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	9	0.39	0.2	0.38
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	9	0.39	0.2	0.38
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	9	0.39	0.17	0.42
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	9	0.39	0.17	0.42
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	9	0.39	0.17	0.42
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	9	0.38	0.23	0.25
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	9	0.38	0.23	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	9	0.38	0.23	0.25
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	9	0.38	0.21	0.32
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	9	0.38	0.21	0.32
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	9	0.38	0.21	0.32
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	9	0.36	0.1	0.33
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	9	0.35	0.19	0.33
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	9	0.35	0.19	0.33
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	9	0.35	0.19	0.33
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	9	0.35	0.09	0.3
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	9	0.34	0.11	0.31
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	9	0.33	0.07	0.32
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	9	0.33	0.07	0.32
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	9	0.33	0.07	0.32
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	9	0.33	0.14	0.31
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	9	0.33	0.14	0.31
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	9	0.33	0.14	0.31
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	9	0.33	0.1	0.28
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	9	0.32	0.19	0.2
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	9	0.31	0.07	0.35
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	9	0.3	0.09	0.31
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	9	0.27	0.15	0.25
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	9	0.27	0.15	0.25
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	9	0.27	0.15	0.25
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	9	0.25	0.07	0.24
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	9	0.25	0.07	0.24
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	9	0.25	0.07	0.24
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	9	0.24	0.11	0.32
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	9	0.24	0.11	0.32
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	9	0.24	0.11	0.32
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	9	0.24	0.13	0.2
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	9	0.24	0.13	0.2
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	9	0.24	0.13	0.2
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	9	0.24	0.07	0.22
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	9	0.24	0.08	0.26
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	9	0.23	0.08	0.22
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	9	0.22	0.09	0.24
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	9	0.22	0.09	0.24
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	9	0.22	0.09	0.24
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	9	0.21	0.06	0.23
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	9	0.2	0.08	0.17
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	9	0.2	0.08	0.17
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	9	0.2	0.08	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	9	0.2	0.03	0.19
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	9	0.2	0.06	0.2
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	9	0.2	0.09	0.18
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	9	0.19	0.05	0.19
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	9	0.19	0.04	0.21
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	9	0.18	0.05	0.19
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	9	0.16	0.04	0.18
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	9	0.16	0.03	0.16
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	9	0.15	0.01	0.16
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	9	0.15	0.03	0.14
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	9	0.15	0.03	0.14
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	9	0.13	0.02	0.13
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	9	0.13	0.02	0.15
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	9	0.13	0.03	0.12
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	9	0.13	0.01	0.12
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	9	0.12	0.01	0.12
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	9	0.11	0.01	0.11
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	9	0.1	0.0	0.1
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	8	1.45	0.62	1.56
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	8	1.45	0.62	1.56
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	8	1.45	0.62	1.56
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	8	1.39	0.78	1.45
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	8	1.39	0.78	1.45
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	8	1.39	0.78	1.45
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	8	1.08	0.36	1.2
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	8	1.08	0.36	1.2
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	8	1.08	0.36	1.2
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	8	1.07	0.14	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	8	1.07	0.14	1.1
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	8	1.05	0.36	1.01
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	8	1.05	0.36	1.01
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	8	1.05	0.36	1.01
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	8	1.05	0.05	1.06
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	8	1.01	0.1	1.04
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	8	1.01	0.1	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	8	1.01	0.1	1.04
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	8	0.96	0.46	1.19
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	8	0.96	0.46	1.19
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	8	0.96	0.46	1.19
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	8	0.95	0.1	0.9
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	8	0.95	0.56	0.8
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	8	0.95	0.56	0.8
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	8	0.95	0.56	0.8
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	8	0.92	0.26	0.94
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	8	0.92	0.26	0.94
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	8	0.84	0.41	0.78
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	8	0.84	0.41	0.78
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	8	0.84	0.41	0.78
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	8	0.8	0.46	0.78
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	8	0.73	0.33	0.78
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	8	0.71	0.36	0.92
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	8	0.71	0.36	0.92
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	8	0.69	0.18	0.66
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	8	0.66	0.44	0.46
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	8	0.66	0.44	0.46
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	8	0.66	0.44	0.46
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	8	0.66	0.23	0.69
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	8	0.66	0.43	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	8	0.66	0.43	0.46
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	8	0.66	0.43	0.46
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	8	0.66	0.35	0.73
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	8	0.61	0.12	0.66
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	8	0.61	0.12	0.66
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	8	0.61	0.12	0.66
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	8	0.6	0.29	0.72
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	8	0.6	0.29	0.72
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	8	0.59	0.4	0.58
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	8	0.59	0.4	0.58
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	8	0.59	0.4	0.58
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	8	0.58	0.03	0.58
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	8	0.58	0.11	0.62
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	8	0.58	0.11	0.62
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	8	0.58	0.11	0.62
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	8	0.57	0.18	0.55
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	8	0.57	0.18	0.55
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	8	0.56	0.03	0.56
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	8	0.54	0.16	0.56
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	8	0.54	0.16	0.56
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	8	0.54	0.16	0.56
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	8	0.54	0.3	0.36
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	8	0.54	0.28	0.6
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	8	0.54	0.28	0.6
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	8	0.54	0.28	0.6
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	8	0.53	0.34	0.57
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	8	0.53	0.34	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	8	0.53	0.34	0.57
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	8	0.53	0.07	0.49
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	8	0.52	0.19	0.55
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	8	0.52	0.19	0.55
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	8	0.52	0.21	0.58
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	8	0.52	0.21	0.58
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	8	0.49	0.17	0.5
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	8	0.49	0.29	0.42
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	8	0.48	0.26	0.41
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	8	0.48	0.26	0.41
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	8	0.48	0.26	0.41
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	8	0.48	0.21	0.53
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	8	0.48	0.25	0.48
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	8	0.48	0.25	0.48
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	8	0.48	0.25	0.48
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	8	0.46	0.2	0.47
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	8	0.46	0.2	0.47
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	8	0.46	0.2	0.47
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	8	0.46	0.08	0.48
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	8	0.46	0.19	0.48
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	8	0.45	0.03	0.46
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	8	0.45	0.24	0.4
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	8	0.45	0.24	0.4
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	8	0.45	0.24	0.4
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	8	0.44	0.14	0.5
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	8	0.44	0.22	0.36
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	8	0.42	0.2	0.47
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	8	0.42	0.13	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	8	0.42	0.16	0.4
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	8	0.42	0.16	0.4
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	8	0.42	0.16	0.4
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	8	0.42	0.1	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	8	0.42	0.1	0.41
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	8	0.42	0.1	0.44
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	8	0.42	0.1	0.44
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	8	0.42	0.1	0.44
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	8	0.4	0.22	0.37
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	8	0.4	0.22	0.37
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	8	0.4	0.09	0.41
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	8	0.4	0.09	0.41
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	8	0.39	0.21	0.33
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	8	0.39	0.21	0.33
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	8	0.39	0.21	0.33
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	8	0.39	0.21	0.44
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	8	0.38	0.24	0.38
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	8	0.37	0.11	0.41
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	8	0.37	0.24	0.28
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	8	0.36	0.11	0.36
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	8	0.36	0.17	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	8	0.35	0.14	0.38
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	8	0.34	0.32	0.24
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	8	0.34	0.32	0.24
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	8	0.34	0.32	0.24
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	8	0.34	0.16	0.3
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	8	0.34	0.08	0.3
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	8	0.33	0.03	0.34
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	8	0.32	0.07	0.31
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	8	0.32	0.06	0.33
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	8	0.32	0.17	0.3
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	8	0.31	0.02	0.32
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	8	0.31	0.11	0.26
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	8	0.31	0.17	0.24
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	8	0.31	0.17	0.24
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	8	0.31	0.17	0.24
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	8	0.31	0.05	0.32
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	8	0.29	0.13	0.24
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	8	0.28	0.14	0.29
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	8	0.28	0.14	0.29
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	8	0.27	0.06	0.24
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	8	0.24	0.16	0.18
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	8	0.24	0.13	0.22
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	8	0.24	0.09	0.23
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	8	0.24	0.11	0.2
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	8	0.22	0.14	0.16
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	8	0.22	0.1	0.21
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	8	0.2	0.08	0.18
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	8	0.2	0.05	0.21
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	8	0.19	0.08	0.17
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	8	0.18	0.04	0.18
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	8	0.16	0.05	0.16
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	8	0.16	0.02	0.16
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	8	0.16	0.04	0.13
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	8	0.14	0.03	0.15
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	8	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	8	0.14	0.04	0.14
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	8	0.14	0.02	0.14
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	8	0.13	0.02	0.12
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	8	0.12	0.01	0.12
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	7	1.38	0.56	1.65
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	7	1.38	0.56	1.65
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	7	1.38	0.56	1.65
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	7	1.25	0.12	1.25
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	7	1.24	0.51	1.39
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	7	1.19	0.73	1.36
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	7	1.19	0.73	1.36
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	7	1.19	0.73	1.36
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	7	1.17	0.69	0.82
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	7	1.17	0.69	0.82
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	7	1.17	0.69	0.82
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	7	0.99	0.08	1.03
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	7	0.99	0.25	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	7	0.97	0.36	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	7	0.97	0.36	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	7	0.97	0.36	1.1
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	7	0.85	0.1	0.87
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	0.82	0.47	0.93
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	0.82	0.47	0.93
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	0.82	0.47	0.93
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	7	0.82	0.24	0.97
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	7	0.82	0.57	0.67
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	7	0.82	0.57	0.67
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	7	0.82	0.57	0.67
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	0.82	0.47	0.92
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	0.82	0.47	0.92
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	0.82	0.47	0.92
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	7	0.8	0.21	0.8
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	7	0.8	0.21	0.8
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	7	0.8	0.21	0.8
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	7	0.8	0.3	0.84
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	7	0.78	0.31	0.97
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	7	0.77	0.46	0.72
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	7	0.77	0.46	0.72
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	7	0.76	0.07	0.8
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	7	0.76	0.07	0.8
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	7	0.76	0.07	0.8
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	7	0.74	0.34	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	7	0.74	0.34	0.69
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	7	0.74	0.34	0.69
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	7	0.74	0.36	0.82
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	0.72	0.09	0.7
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	0.72	0.09	0.7
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	0.72	0.09	0.7
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	7	0.72	0.21	0.76
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	7	0.72	0.21	0.76
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	7	0.72	0.21	0.76
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	7	0.71	0.27	0.88
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	7	0.71	0.36	0.58
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	0.69	0.09	0.67
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	0.69	0.09	0.67
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	0.69	0.09	0.67
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	7	0.68	0.19	0.75
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	7	0.68	0.19	0.75
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	7	0.68	0.19	0.75
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	7	0.67	0.41	0.48
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	7	0.62	0.2	0.6
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	7	0.61	0.11	0.64
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	7	0.61	0.2	0.49
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	7	0.61	0.2	0.49
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	7	0.61	0.2	0.49
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	7	0.6	0.24	0.63
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	7	0.6	0.24	0.63
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	7	0.6	0.24	0.63
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	7	0.59	0.38	0.53
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	7	0.58	0.28	0.66
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	7	0.58	0.28	0.66
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	7	0.58	0.28	0.66
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	7	0.56	0.43	0.29
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	7	0.56	0.22	0.57
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	7	0.56	0.22	0.57
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	7	0.56	0.22	0.57
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	7	0.54	0.1	0.52
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	7	0.52	0.24	0.42
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	7	0.51	0.25	0.5
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	7	0.51	0.25	0.5
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	7	0.51	0.25	0.5
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	7	0.51	0.03	0.51
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	7	0.48	0.14	0.44
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	7	0.46	0.14	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	7	0.46	0.15	0.43
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	7	0.45	0.32	0.29
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	7	0.45	0.29	0.33
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	7	0.43	0.32	0.36
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	7	0.41	0.27	0.31
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	7	0.41	0.27	0.31
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	7	0.41	0.27	0.31
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	7	0.39	0.17	0.37
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	7	0.39	0.1	0.39
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	7	0.38	0.04	0.38
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	7	0.38	0.23	0.26
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	7	0.37	0.23	0.36
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	7	0.37	0.23	0.36
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	7	0.37	0.23	0.36
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	7	0.37	0.23	0.36
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	7	0.37	0.23	0.36
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	7	0.37	0.23	0.36
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	7	0.36	0.22	0.28
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	7	0.36	0.22	0.28
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	7	0.36	0.22	0.28
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	7	0.36	0.15	0.38
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	7	0.36	0.16	0.36
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	7	0.36	0.14	0.31
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	7	0.36	0.13	0.42
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	7	0.35	0.15	0.34
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	7	0.35	0.14	0.4
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	7	0.35	0.14	0.4
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	7	0.35	0.14	0.4
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	7	0.35	0.15	0.39
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	7	0.34	0.07	0.37
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	7	0.34	0.07	0.37
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	7	0.34	0.07	0.37
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	7	0.33	0.02	0.33
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	7	0.32	0.2	0.27
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	7	0.32	0.2	0.27
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	7	0.32	0.2	0.27
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	7	0.31	0.15	0.26
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	7	0.31	0.15	0.26
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	7	0.31	0.15	0.26
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	7	0.31	0.16	0.31
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	7	0.31	0.03	0.3
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	7	0.31	0.04	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	7	0.3	0.14	0.25
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	7	0.3	0.14	0.25
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	7	0.3	0.14	0.25
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	7	0.3	0.11	0.31
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	7	0.28	0.17	0.2
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	7	0.28	0.17	0.2
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	7	0.28	0.17	0.2
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	7	0.28	0.1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	7	0.28	0.1	0.28
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	7	0.26	0.11	0.26
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	7	0.26	0.11	0.26
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	7	0.26	0.11	0.26
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	7	0.25	0.07	0.23
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	7	0.25	0.07	0.23
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	7	0.25	0.07	0.23
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	7	0.24	0.07	0.21
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	7	0.24	0.09	0.18
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	7	0.23	0.1	0.27
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	7	0.23	0.08	0.25
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	7	0.23	0.09	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	7	0.23	0.09	0.28
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	7	0.23	0.09	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	7	0.23	0.09	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	7	0.23	0.09	0.18
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	7	0.22	0.1	0.25
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	7	0.22	0.1	0.25
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	7	0.22	0.1	0.25
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	7	0.22	0.11	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	7	0.21	0.13	0.14
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	7	0.21	0.13	0.14
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	7	0.21	0.13	0.14
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	7	0.19	0.05	0.2
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	7	0.19	0.05	0.18
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	7	0.19	0.05	0.19
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	7	0.19	0.05	0.19
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	7	0.19	0.05	0.19
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	7	0.18	0.06	0.18
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	7	0.18	0.04	0.2
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	7	0.18	0.04	0.2
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	7	0.18	0.06	0.17
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	7	0.18	0.05	0.17
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	7	0.16	0.02	0.16
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	7	0.16	0.03	0.15
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	7	0.16	0.06	0.13
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	7	0.15	0.03	0.15
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	7	0.15	0.04	0.15
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	7	0.15	0.04	0.12
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	7	0.14	0.02	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	7	0.14	0.02	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	7	0.14	0.02	0.14
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	7	0.13	0.03	0.12
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	6	1.33	0.3	1.28
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	6	1.33	0.3	1.28
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	6	1.33	0.3	1.28
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	6	1.09	0.16	1.04
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	6	1.03	0.09	1.06
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	6	0.99	0.03	1.0
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	6	0.99	0.56	1.09
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	6	0.99	0.56	1.09
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	6	0.99	0.56	1.09
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	6	0.95	0.74	0.78
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	6	0.95	0.74	0.78
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	6	0.95	0.74	0.78
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	6	0.94	0.61	1.16
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	6	0.94	0.61	1.16
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	6	0.94	0.61	1.16
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	6	0.92	0.92	0.46
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	6	0.92	0.92	0.46
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	6	0.92	0.92	0.46
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	6	0.82	0.05	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	6	0.82	0.05	0.8
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	6	0.82	0.05	0.8
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	6	0.78	0.28	0.76
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	6	0.78	0.28	0.76
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	6	0.78	0.04	0.79
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	6	0.75	0.43	1.02
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	6	0.75	0.43	1.02
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	6	0.75	0.43	1.02
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	6	0.74	0.28	0.85
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	6	0.73	0.23	0.84
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	6	0.73	0.23	0.84
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	6	0.73	0.23	0.84
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	6	0.72	0.16	0.74
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	6	0.69	0.6	0.54
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	6	0.69	0.6	0.54
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	6	0.69	0.6	0.54
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	6	0.69	0.54	0.48
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	6	0.69	0.54	0.48
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	6	0.69	0.54	0.48
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	6	0.68	0.4	0.57
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	6	0.68	0.4	0.57
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	6	0.68	0.4	0.57
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	6	0.67	0.29	0.68
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	6	0.67	0.29	0.68
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	6	0.67	0.29	0.68
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	6	0.65	0.07	0.66
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	6	0.63	0.2	0.64
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	6	0.63	0.2	0.64
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	6	0.63	0.2	0.64
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	6	0.63	0.3	0.61
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	6	0.62	0.68	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	6	0.62	0.68	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	6	0.62	0.68	0.38
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	6	0.62	0.38	0.59
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	6	0.62	0.2	0.67
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	6	0.58	0.21	0.62
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	6	0.57	0.11	0.6
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	6	0.55	0.14	0.54
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	6	0.55	0.3	0.54
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	6	0.55	0.3	0.54
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	6	0.55	0.3	0.54
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	6	0.51	0.22	0.5
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	6	0.5	0.37	0.36
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	6	0.5	0.37	0.36
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	6	0.5	0.37	0.36
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	6	0.47	0.19	0.52
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	6	0.45	0.15	0.37
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	6	0.45	0.02	0.45
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	6	0.43	0.16	0.38
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	6	0.42	0.06	0.43
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	6	0.42	0.2	0.36
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	6	0.42	0.2	0.36
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	6	0.42	0.2	0.36
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	6	0.42	0.26	0.37
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	6	0.41	0.19	0.42
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	6	0.4	0.1	0.41
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	6	0.4	0.1	0.41
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	6	0.4	0.1	0.41
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	6	0.4	0.05	0.38
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	6	0.4	0.05	0.38
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	6	0.4	0.05	0.38
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	6	0.4	0.17	0.33
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	6	0.4	0.17	0.33
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	6	0.4	0.17	0.33
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	6	0.39	0.12	0.34
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	6	0.39	0.12	0.34
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	6	0.39	0.12	0.34
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	6	0.38	0.17	0.38
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	6	0.38	0.17	0.38
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	6	0.38	0.17	0.38
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	6	0.38	0.15	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	6	0.38	0.15	0.45
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	6	0.38	0.15	0.45
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	6	0.35	0.15	0.3
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	6	0.35	0.15	0.3
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	6	0.35	0.15	0.3
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	6	0.32	0.05	0.32
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	6	0.3	0.34	0.16
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	6	0.3	0.03	0.29
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	6	0.3	0.03	0.3
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	6	0.3	0.03	0.3
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	6	0.3	0.03	0.3
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	6	0.29	0.27	0.18
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	6	0.29	0.27	0.18
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	6	0.29	0.27	0.18
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	6	0.29	0.16	0.29
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	6	0.27	0.11	0.28
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	6	0.26	0.08	0.22
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	6	0.26	0.08	0.22
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	6	0.26	0.08	0.22
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	6	0.25	0.05	0.24
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	6	0.24	0.08	0.24
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	6	0.24	0.11	0.22
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	6	0.24	0.11	0.22
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	6	0.24	0.11	0.22
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	6	0.23	0.12	0.19
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	6	0.22	0.05	0.23
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	6	0.22	0.04	0.22
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	6	0.22	0.03	0.23
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	6	0.22	0.11	0.17
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	6	0.22	0.03	0.21
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	6	0.22	0.03	0.21
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	6	0.22	0.03	0.21
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	6	0.2	0.06	0.18
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	6	0.19	0.05	0.2
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	6	0.19	0.06	0.17
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	6	0.19	0.06	0.17
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	6	0.19	0.06	0.17
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	6	0.19	0.1	0.14
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	6	0.18	0.04	0.18
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	6	0.18	0.04	0.18
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	6	0.18	0.04	0.18
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	6	0.18	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	6	0.18	0.04	0.18
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	6	0.18	0.04	0.18
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	6	0.18	0.09	0.15
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	6	0.18	0.02	0.18
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	6	0.17	0.06	0.15
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	6	0.17	0.06	0.15
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	6	0.17	0.06	0.15
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	6	0.17	0.03	0.18
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	6	0.17	0.04	0.17
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	6	0.17	0.02	0.16
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	6	0.16	0.03	0.16
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	6	0.16	0.07	0.14
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	6	0.15	0.03	0.16
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	6	0.13	0.01	0.14
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	6	0.12	0.02	0.12
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	6	0.12	0.02	0.11
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	5	1.79	0.4	1.79
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	5	1.79	0.4	1.79
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	5	1.79	0.4	1.79
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	5	1.27	0.51	1.42
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	5	1.14	0.36	1.33
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	5	1.12	0.55	1.49
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	5	1.12	0.09	1.1
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	5	1.12	0.09	1.1
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	5	1.12	0.09	1.1
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	5	1.08	0.84	0.59
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	5	1.08	0.84	0.59
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	5	1.08	0.84	0.59
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	5	1.02	0.39	0.79
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	5	1.01	0.09	1.03
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	5	0.94	0.03	0.94
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	5	0.94	0.03	0.94
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	5	0.94	0.03	0.94
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	5	0.91	0.06	0.91
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	5	0.91	0.06	0.91
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	5	0.91	0.06	0.91
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	5	0.9	0.41	1.08
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	5	0.9	0.41	1.08
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	5	0.9	0.41	1.08
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	5	0.9	0.03	0.91
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	5	0.85	0.4	0.84
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	5	0.85	0.4	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	5	0.85	0.4	0.84
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	5	0.82	0.09	0.86
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	5	0.81	0.04	0.82
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	5	0.8	0.31	0.84
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	5	0.8	0.31	0.84
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	5	0.8	0.31	0.84
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	5	0.78	0.3	0.82
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	5	0.78	0.3	0.82
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	5	0.78	0.3	0.82
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	5	0.78	0.3	0.91
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	5	0.78	0.3	0.91
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	5	0.78	0.3	0.91
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	5	0.76	0.37	0.96
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	5	0.76	0.37	0.96
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	5	0.76	0.37	0.96
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	5	0.74	0.73	0.2
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	5	0.74	0.73	0.2
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	5	0.74	0.73	0.2
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	5	0.74	0.67	0.22
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	5	0.73	0.14	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	5	0.73	0.14	0.72
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	5	0.73	0.04	0.74
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	5	0.68	0.15	0.69
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	5	0.68	0.15	0.69
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	5	0.68	0.15	0.69
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	5	0.67	0.27	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	5	0.67	0.27	0.68
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	5	0.67	0.29	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	5	0.65	0.27	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	5	0.65	0.27	0.79
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	5	0.65	0.28	0.7
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	5	0.65	0.28	0.7
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	5	0.65	0.28	0.7
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	5	0.64	0.42	0.74
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	5	0.64	0.28	0.73
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	5	0.64	0.28	0.73
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	5	0.64	0.28	0.73
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	5	0.63	0.3	0.82
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	5	0.62	0.22	0.74
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	5	0.61	0.42	0.32
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	5	0.61	0.42	0.32
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	5	0.61	0.42	0.32
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	5	0.61	0.36	0.42
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	5	0.61	0.41	0.43
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	5	0.61	0.41	0.43
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	5	0.61	0.41	0.43
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	5	0.61	0.2	0.49
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	5	0.6	0.26	0.69
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	5	0.6	0.39	0.85
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	5	0.58	0.23	0.65
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	5	0.56	0.18	0.47
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	5	0.55	0.47	0.33
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	5	0.55	0.47	0.33
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	5	0.55	0.47	0.33
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	5	0.55	0.19	0.53
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	5	0.55	0.19	0.53
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	5	0.55	0.19	0.53
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	5	0.55	0.22	0.68
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	5	0.55	0.22	0.68
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	5	0.55	0.22	0.68
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	5	0.54	0.25	0.52
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	5	0.54	0.28	0.69
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	5	0.54	0.28	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	5	0.54	0.28	0.69
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	5	0.53	0.23	0.48
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	5	0.53	0.13	0.49
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	5	0.52	0.17	0.64
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	5	0.51	0.08	0.55
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	5	0.49	0.22	0.52
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	5	0.49	0.22	0.52
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	5	0.49	0.22	0.52
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	5	0.48	0.15	0.41
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	5	0.45	0.19	0.57
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	5	0.45	0.28	0.41
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	5	0.45	0.28	0.41
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	5	0.45	0.28	0.41
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	5	0.44	0.03	0.45
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	5	0.44	0.23	0.35
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	5	0.42	0.16	0.41
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	5	0.42	0.16	0.41
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	5	0.42	0.16	0.41
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	5	0.42	0.01	0.42
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	5	0.42	0.2	0.53
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	5	0.41	0.06	0.39
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	5	0.41	0.16	0.36
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	5	0.4	0.01	0.4
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	5	0.39	0.14	0.34
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	5	0.39	0.14	0.34
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	5	0.39	0.14	0.34
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	5	0.35	0.35	0.22
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	5	0.35	0.35	0.22
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	5	0.35	0.35	0.22
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	5	0.35	0.06	0.38
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	5	0.34	0.03	0.33
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	5	0.34	0.1	0.29
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	5	0.32	0.21	0.25
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	5	0.31	0.24	0.18
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	5	0.3	0.29	0.15
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	5	0.28	0.09	0.31
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	5	0.28	0.16	0.26
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	5	0.28	0.16	0.26
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	5	0.27	0.09	0.24
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	5	0.27	0.13	0.21
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	5	0.26	0.1	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	5	0.26	0.1	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	5	0.26	0.1	0.26
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	5	0.26	0.12	0.22
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	5	0.26	0.15	0.22
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	5	0.25	0.05	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	5	0.25	0.05	0.28
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	5	0.25	0.06	0.27
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	5	0.25	0.06	0.27
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	5	0.25	0.06	0.27
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	5	0.24	0.12	0.22
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	5	0.24	0.12	0.22
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	5	0.24	0.12	0.22
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	5	0.23	0.12	0.21
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	5	0.23	0.06	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	5	0.23	0.06	0.25
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	5	0.23	0.08	0.23
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	5	0.23	0.08	0.23
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	5	0.23	0.08	0.23
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	5	0.23	0.13	0.16
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	5	0.22	0.01	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	5	0.22	0.11	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	5	0.22	0.11	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	5	0.22	0.11	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	5	0.22	0.11	0.19
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	5	0.21	0.07	0.2
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	5	0.2	0.08	0.18
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	5	0.19	0.01	0.19
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	5	0.19	0.06	0.16
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	5	0.19	0.07	0.16
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	5	0.18	0.02	0.19
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	5	0.18	0.04	0.19
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	5	0.18	0.07	0.16
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	5	0.18	0.03	0.19
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	5	0.18	0.03	0.19
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	5	0.18	0.02	0.18
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	5	0.17	0.04	0.17
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	5	0.16	0.06	0.15
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	5	0.16	0.04	0.17
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	5	0.16	0.05	0.13
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	5	0.16	0.04	0.13
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	5	0.16	0.04	0.13
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	5	0.16	0.04	0.13
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	5	0.16	0.04	0.13
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	5	0.15	0.05	0.14
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	5	0.15	0.04	0.12
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	5	0.14	0.02	0.14
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	5	0.14	0.02	0.14
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	5	0.13	0.02	0.13
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	5	0.13	0.01	0.13
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	5	0.13	0.02	0.14
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	5	0.12	0.01	0.12
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	5	0.12	0.01	0.12
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	5	0.12	0.01	0.12
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	5	0.11	0.0	0.11
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	5	0.1	0.0	0.1
(2,100)	1:47:A:LEU:HD11	1:47:A:LEU:HA	4	1.42	0.02	1.42
(2,100)	1:47:A:LEU:HD12	1:47:A:LEU:HA	4	1.42	0.02	1.42
(2,100)	1:47:A:LEU:HD13	1:47:A:LEU:HA	4	1.42	0.02	1.42
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG11	4	1.35	0.05	1.36
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG12	4	1.35	0.05	1.36
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG13	4	1.35	0.05	1.36
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG11	4	1.31	0.05	1.33
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG12	4	1.31	0.05	1.33
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG13	4	1.31	0.05	1.33
(2,278)	1:41:A:MET:HG3	1:112:A:LYS:HB3	4	1.27	0.16	1.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,689)	1:74:A:VAL:HG11	1:76:A:LEU:HB2	4	1.2	0.64	0.94
(1,689)	1:74:A:VAL:HG12	1:76:A:LEU:HB2	4	1.2	0.64	0.94
(1,689)	1:74:A:VAL:HG13	1:76:A:LEU:HB2	4	1.2	0.64	0.94
(1,1580)	1:86:A:LYS:H	1:87:A:LYS:HB2	4	1.16	0.04	1.18
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD11	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD12	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD13	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD11	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD12	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD13	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD11	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD12	4	1.14	0.64	1.23
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD13	4	1.14	0.64	1.23
(2,2512)	1:85:A:VAL:HG21	1:84:A:LYS:H	4	1.11	0.03	1.12
(2,2512)	1:85:A:VAL:HG22	1:84:A:LYS:H	4	1.11	0.03	1.12
(2,2512)	1:85:A:VAL:HG23	1:84:A:LYS:H	4	1.11	0.03	1.12
(2,550)	1:66:A:LEU:HG	1:66:A:LEU:H	4	1.09	0.02	1.08
(2,892)	1:86:A:LYS:HA	1:86:A:LYS:HD2	4	1.0	0.17	1.02
(2,1845)	1:85:A:VAL:HG11	1:85:A:VAL:H	4	0.95	0.14	0.94
(2,1845)	1:85:A:VAL:HG12	1:85:A:VAL:H	4	0.95	0.14	0.94
(2,1845)	1:85:A:VAL:HG13	1:85:A:VAL:H	4	0.95	0.14	0.94
(2,2314)	1:47:A:LEU:HG	1:46:A:ASN:H	4	0.94	0.03	0.94
(2,2527)	1:85:A:VAL:HG21	1:82:A:ALA:H	4	0.91	0.08	0.9
(2,2527)	1:85:A:VAL:HG22	1:82:A:ALA:H	4	0.91	0.08	0.9
(2,2527)	1:85:A:VAL:HG23	1:82:A:ALA:H	4	0.91	0.08	0.9
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD11	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD12	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD13	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD11	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD12	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD13	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD11	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD12	4	0.9	0.35	1.0
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD13	4	0.9	0.35	1.0
(1,559)	1:85:A:VAL:HG21	1:89:A:ILE:HG12	4	0.88	0.21	0.88
(1,559)	1:85:A:VAL:HG22	1:89:A:ILE:HG12	4	0.88	0.21	0.88
(1,559)	1:85:A:VAL:HG23	1:89:A:ILE:HG12	4	0.88	0.21	0.88
(1,695)	1:101:A:ARG:HB2	1:73:A:LEU:HA	4	0.87	0.14	0.9
(2,1976)	1:39:A:ARG:HG2	1:39:A:ARG:H	4	0.87	0.09	0.9
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD21	4	0.86	0.21	0.9
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD22	4	0.86	0.21	0.9
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD23	4	0.86	0.21	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2488)	1:85:A:VAL:HG21	1:28:A:TRP:HE1	4	0.77	0.12	0.76
(2,2488)	1:85:A:VAL:HG22	1:28:A:TRP:HE1	4	0.77	0.12	0.76
(2,2488)	1:85:A:VAL:HG23	1:28:A:TRP:HE1	4	0.77	0.12	0.76
(2,1772)	1:49:A:LEU:HG	1:49:A:LEU:H	4	0.76	0.16	0.82
(2,1977)	1:39:A:ARG:HD2	1:39:A:ARG:H	4	0.76	0.02	0.77
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD21	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD22	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD23	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD21	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD22	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD23	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD21	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD22	4	0.74	0.33	0.75
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD23	4	0.74	0.33	0.75
(2,505)	1:66:A:LEU:HD21	1:63:A:LEU:HB2	4	0.74	0.33	0.6
(2,505)	1:66:A:LEU:HD22	1:63:A:LEU:HB2	4	0.74	0.33	0.6
(2,505)	1:66:A:LEU:HD23	1:63:A:LEU:HB2	4	0.74	0.33	0.6
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG11	4	0.71	0.05	0.72
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG12	4	0.71	0.05	0.72
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG13	4	0.71	0.05	0.72
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG11	4	0.7	0.14	0.7
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG12	4	0.7	0.14	0.7
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG13	4	0.7	0.14	0.7
(2,2176)	1:29:A:SER:HB2	1:30:A:ASN:H	4	0.7	0.15	0.76
(2,48)	1:98:A:LEU:HD11	1:63:A:LEU:HB3	4	0.7	0.61	0.5
(2,48)	1:98:A:LEU:HD12	1:63:A:LEU:HB3	4	0.7	0.61	0.5
(2,48)	1:98:A:LEU:HD13	1:63:A:LEU:HB3	4	0.7	0.61	0.5
(1,805)	1:34:A:LEU:HG	1:108:A:PRO:HG2	4	0.69	0.1	0.64
(1,845)	1:112:A:LYS:HA	1:41:A:MET:HG3	4	0.68	0.12	0.71
(1,968)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	4	0.64	0.34	0.68
(1,968)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	4	0.64	0.34	0.68
(1,968)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	4	0.64	0.34	0.68
(1,1751)	1:83:A:ASP:H	1:84:A:LYS:HD2	4	0.63	0.54	0.44
(2,1329)	1:113:A:ARG:HA	1:116:A:LYS:HB2	4	0.62	0.11	0.59
(1,1490)	1:115:A:ILE:H	1:41:A:MET:HG2	4	0.62	0.15	0.64
(2,2834)	1:23:A:LEU:HD21	1:120:A:GLU:H	4	0.6	0.32	0.52
(2,2834)	1:23:A:LEU:HD22	1:120:A:GLU:H	4	0.6	0.32	0.52
(2,2834)	1:23:A:LEU:HD23	1:120:A:GLU:H	4	0.6	0.32	0.52
(2,2489)	1:77:A:GLU:H	1:28:A:TRP:HZ3	4	0.58	0.24	0.46
(2,1880)	1:103:A:ARG:H	1:103:A:ARG:HD3	4	0.54	0.36	0.56
(2,2381)	1:63:A:LEU:HB2	1:64:A:LYS:H	4	0.54	0.09	0.56
(2,2521)	1:82:A:ALA:H	1:81:A:ASP:HB3	4	0.53	0.22	0.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG21	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG22	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG23	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG21	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG22	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG23	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG21	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG22	4	0.51	0.33	0.51
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG23	4	0.51	0.33	0.51
(1,985)	1:113:A:ARG:HG3	1:113:A:ARG:HD3	4	0.5	0.03	0.5
(2,819)	1:80:A:LYS:HA	1:80:A:LYS:HG2	4	0.5	0.04	0.48
(2,1966)	1:116:A:LYS:H	1:116:A:LYS:HG2	4	0.49	0.31	0.5
(2,2374)	1:59:A:ILE:HA	1:63:A:LEU:H	4	0.47	0.21	0.51
(2,2436)	1:74:A:VAL:H	1:73:A:LEU:HG	4	0.47	0.25	0.46
(1,465)	1:75:A:LEU:H	1:75:A:LEU:HB3	4	0.46	0.03	0.46
(2,650)	1:24:A:LEU:HB2	1:72:A:ILE:HA	4	0.44	0.27	0.4
(2,245)	1:39:A:ARG:HA	1:39:A:ARG:HG2	4	0.43	0.19	0.52
(1,341)	1:65:A:SER:H	1:65:A:SER:HB3	4	0.42	0.12	0.49
(2,169)	1:34:A:LEU:HA	1:108:A:PRO:HB2	4	0.42	0.06	0.41
(1,285)	1:90:A:GLU:HB3	1:87:A:LYS:HA	4	0.42	0.14	0.4
(2,1020)	1:93:A:ALA:HB1	1:99:A:PRO:HA	4	0.42	0.25	0.44
(2,1020)	1:93:A:ALA:HB2	1:99:A:PRO:HA	4	0.42	0.25	0.44
(2,1020)	1:93:A:ALA:HB3	1:99:A:PRO:HA	4	0.42	0.25	0.44
(2,496)	1:66:A:LEU:HB3	1:63:A:LEU:HA	4	0.42	0.23	0.42
(2,2825)	1:47:A:LEU:HD11	1:119:A:SER:H	4	0.42	0.2	0.46
(2,2825)	1:47:A:LEU:HD12	1:119:A:SER:H	4	0.42	0.2	0.46
(2,2825)	1:47:A:LEU:HD13	1:119:A:SER:H	4	0.42	0.2	0.46
(2,2097)	1:87:A:LYS:H	1:87:A:LYS:HB2	4	0.39	0.01	0.39
(1,165)	1:44:A:LYS:HD2	1:41:A:MET:HA	4	0.39	0.15	0.4
(1,986)	1:113:A:ARG:HG2	1:113:A:ARG:HD2	4	0.39	0.02	0.4
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD1	4	0.38	0.16	0.42
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD2	4	0.38	0.16	0.42
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD1	4	0.38	0.16	0.42
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD2	4	0.38	0.16	0.42
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD1	4	0.38	0.16	0.42
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD2	4	0.38	0.16	0.42
(2,2147)	1:26:A:LEU:HB2	1:27:A:ILE:H	4	0.38	0.17	0.36
(2,562)	1:70:A:VAL:HG21	1:68:A:PRO:HB2	4	0.38	0.25	0.3
(2,562)	1:70:A:VAL:HG22	1:68:A:PRO:HB2	4	0.38	0.25	0.3
(2,562)	1:70:A:VAL:HG23	1:68:A:PRO:HB2	4	0.38	0.25	0.3
(2,1396)	1:117:A:GLU:HA	1:117:A:GLU:HG3	4	0.38	0.25	0.37
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD11	4	0.38	0.16	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD12	4	0.38	0.16	0.4
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD13	4	0.38	0.16	0.4
(2,2242)	1:38:A:ALA:H	1:112:A:LYS:HG2	4	0.38	0.25	0.25
(2,2300)	1:43:A:GLU:HG2	1:44:A:LYS:H	4	0.36	0.06	0.38
(2,976)	1:96:A:LYS:HA	1:96:A:LYS:HG2	4	0.35	0.08	0.36
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD11	4	0.34	0.14	0.31
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD12	4	0.34	0.14	0.31
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD13	4	0.34	0.14	0.31
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD21	4	0.33	0.08	0.36
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD22	4	0.33	0.08	0.36
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD23	4	0.33	0.08	0.36
(2,1266)	1:34:A:LEU:HD11	1:108:A:PRO:HG2	4	0.33	0.11	0.32
(2,1266)	1:34:A:LEU:HD12	1:108:A:PRO:HG2	4	0.33	0.11	0.32
(2,1266)	1:34:A:LEU:HD13	1:108:A:PRO:HG2	4	0.33	0.11	0.32
(2,2810)	1:117:A:GLU:HB2	1:118:A:PHE:H	4	0.32	0.08	0.31
(1,1522)	1:33:A:LYS:H	1:34:A:LEU:HB3	4	0.31	0.1	0.35
(2,702)	1:73:A:LEU:HD11	1:115:A:ILE:H	4	0.31	0.03	0.31
(2,702)	1:73:A:LEU:HD12	1:115:A:ILE:H	4	0.31	0.03	0.31
(2,702)	1:73:A:LEU:HD13	1:115:A:ILE:H	4	0.31	0.03	0.31
(2,1768)	1:47:A:LEU:HD21	1:47:A:LEU:H	4	0.31	0.1	0.31
(2,1768)	1:47:A:LEU:HD22	1:47:A:LEU:H	4	0.31	0.1	0.31
(2,1768)	1:47:A:LEU:HD23	1:47:A:LEU:H	4	0.31	0.1	0.31
(2,497)	1:66:A:LEU:HG	1:63:A:LEU:HA	4	0.3	0.08	0.28
(1,471)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	4	0.29	0.12	0.31
(1,471)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	4	0.29	0.12	0.31
(1,471)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	4	0.29	0.12	0.31
(2,1159)	1:104:A:LYS:HA	1:78:A:ASP:HB2	4	0.29	0.08	0.31
(2,2281)	1:42:A:ALA:H	1:112:A:LYS:HA	4	0.28	0.15	0.21
(2,1431)	1:47:A:LEU:HD11	1:119:A:SER:HA	4	0.28	0.11	0.25
(2,1431)	1:47:A:LEU:HD12	1:119:A:SER:HA	4	0.28	0.11	0.25
(2,1431)	1:47:A:LEU:HD13	1:119:A:SER:HA	4	0.28	0.11	0.25
(1,1479)	1:105:A:VAL:H	1:76:A:LEU:HB2	4	0.28	0.11	0.27
(1,111)	1:34:A:LEU:HD11	1:108:A:PRO:HA	4	0.27	0.13	0.28
(1,111)	1:34:A:LEU:HD12	1:108:A:PRO:HA	4	0.27	0.13	0.28
(1,111)	1:34:A:LEU:HD13	1:108:A:PRO:HA	4	0.27	0.13	0.28
(2,2238)	1:37:A:GLU:HG2	1:38:A:ALA:H	4	0.27	0.04	0.27
(2,2185)	1:34:A:LEU:HB3	1:31:A:ASP:H	4	0.26	0.13	0.22
(2,2708)	1:109:A:ASP:HB2	1:110:A:GLU:H	4	0.26	0.05	0.27
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD11	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD12	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD13	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD11	4	0.26	0.11	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD12	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD13	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD11	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD12	4	0.26	0.11	0.26
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD13	4	0.26	0.11	0.26
(2,1958)	1:112:A:LYS:HD3	1:112:A:LYS:H	4	0.25	0.07	0.26
(1,1191)	1:116:A:LYS:H	1:117:A:GLU:HG3	4	0.25	0.12	0.23
(2,842)	1:83:A:ASP:HA	1:86:A:LYS:HB3	4	0.25	0.08	0.26
(2,597)	1:22:A:GLY:HA2	1:70:A:VAL:HA	4	0.24	0.07	0.28
(2,2144)	1:27:A:ILE:H	1:51:A:THR:HA	4	0.24	0.06	0.24
(1,1040)	1:113:A:ARG:H	1:112:A:LYS:HE3	4	0.24	0.1	0.2
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD11	4	0.24	0.08	0.26
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD12	4	0.24	0.08	0.26
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD13	4	0.24	0.08	0.26
(2,2811)	1:117:A:GLU:HB3	1:118:A:PHE:H	4	0.24	0.1	0.24
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB1	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB2	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB3	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB1	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB2	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB3	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB1	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB2	4	0.23	0.08	0.22
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB3	4	0.23	0.08	0.22
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB1	4	0.23	0.15	0.16
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB2	4	0.23	0.15	0.16
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB3	4	0.23	0.15	0.16
(1,1393)	1:42:A:ALA:H	1:40:A:LYS:HB3	4	0.22	0.04	0.2
(2,1881)	1:103:A:ARG:H	1:103:A:ARG:HD2	4	0.22	0.02	0.22
(2,1998)	1:76:A:LEU:HB2	1:76:A:LEU:H	4	0.22	0.14	0.16
(1,1821)	1:83:A:ASP:H	1:84:A:LYS:HB2	4	0.22	0.05	0.2
(1,1876)	1:35:A:ILE:H	1:33:A:LYS:HB2	4	0.21	0.09	0.2
(1,458)	1:75:A:LEU:HB2	1:75:A:LEU:HA	4	0.2	0.02	0.2
(1,2021)	1:102:A:ILE:H	1:74:A:VAL:HB	4	0.2	0.04	0.22
(2,2568)	1:86:A:LYS:HG3	1:87:A:LYS:H	4	0.2	0.02	0.2
(2,1319)	1:41:A:MET:HB3	1:112:A:LYS:HA	4	0.2	0.07	0.19
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG11	4	0.19	0.06	0.19
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG12	4	0.19	0.06	0.19
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG13	4	0.19	0.06	0.19
(1,1101)	1:55:A:ASP:H	1:55:A:ASP:HB3	4	0.18	0.07	0.16
(2,2429)	1:100:A:VAL:HA	1:74:A:VAL:H	4	0.18	0.06	0.18
(2,1747)	1:34:A:LEU:HB2	1:34:A:LEU:H	4	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2645)	1:73:A:LEU:HA	1:101:A:ARG:H	4	0.17	0.04	0.18
(1,932)	1:119:A:SER:H	1:119:A:SER:HB2	4	0.17	0.02	0.16
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD21	4	0.16	0.03	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD22	4	0.16	0.03	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD23	4	0.16	0.03	0.17
(2,1165)	1:105:A:VAL:HG21	1:104:A:LYS:HA	4	0.16	0.05	0.14
(2,1165)	1:105:A:VAL:HG22	1:104:A:LYS:HA	4	0.16	0.05	0.14
(2,1165)	1:105:A:VAL:HG23	1:104:A:LYS:HA	4	0.16	0.05	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG21	4	0.15	0.04	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG22	4	0.15	0.04	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG23	4	0.15	0.04	0.14
(2,2432)	1:72:A:ILE:HG21	1:74:A:VAL:H	4	0.15	0.02	0.15
(2,2432)	1:72:A:ILE:HG22	1:74:A:VAL:H	4	0.15	0.02	0.15
(2,2432)	1:72:A:ILE:HG23	1:74:A:VAL:H	4	0.15	0.02	0.15
(2,1721)	1:24:A:LEU:HD21	1:24:A:LEU:H	4	0.14	0.02	0.15
(2,1721)	1:24:A:LEU:HD22	1:24:A:LEU:H	4	0.14	0.02	0.15
(2,1721)	1:24:A:LEU:HD23	1:24:A:LEU:H	4	0.14	0.02	0.15
(1,54)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	4	0.14	0.02	0.15
(1,54)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	4	0.14	0.02	0.15
(1,54)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	4	0.14	0.02	0.15
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	4	0.13	0.03	0.12
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	4	0.13	0.03	0.12
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	4	0.13	0.03	0.12
(2,1974)	1:39:A:ARG:HB2	1:39:A:ARG:H	4	0.12	0.0	0.12
(1,1498)	1:117:A:GLU:H	1:117:A:GLU:HG2	4	0.11	0.01	0.11
(2,1833)	1:75:A:LEU:HD21	1:75:A:LEU:H	4	0.11	0.01	0.11
(2,1833)	1:75:A:LEU:HD22	1:75:A:LEU:H	4	0.11	0.01	0.11
(2,1833)	1:75:A:LEU:HD23	1:75:A:LEU:H	4	0.11	0.01	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	4	0.11	0.0	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	4	0.11	0.0	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	4	0.11	0.0	0.11
(2,1514)	1:24:A:LEU:HD21	1:48:A:TYR:HB2	3	1.7	0.08	1.73
(2,1514)	1:24:A:LEU:HD22	1:48:A:TYR:HB2	3	1.7	0.08	1.73
(2,1514)	1:24:A:LEU:HD23	1:48:A:TYR:HB2	3	1.7	0.08	1.73
(2,807)	1:36:A:GLU:HG3	1:36:A:GLU:H	3	1.06	0.15	1.1
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD21	3	1.01	0.14	1.02
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD22	3	1.01	0.14	1.02
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD23	3	1.01	0.14	1.02
(2,1936)	1:57:A:LYS:HG3	1:57:A:LYS:H	3	0.96	0.0	0.96
(2,2453)	1:28:A:TRP:HB3	1:77:A:GLU:H	3	0.96	0.22	0.86
(1,297)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	3	0.95	0.17	0.97
(1,297)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	3	0.95	0.17	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,297)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	3	0.95	0.17	0.97
(2,2795)	1:117:A:GLU:HB2	1:116:A:LYS:H	3	0.94	0.02	0.94
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE1	3	0.93	0.14	1.03
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE2	3	0.93	0.14	1.03
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	0.87	0.13	0.95
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	0.87	0.13	0.95
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	0.87	0.13	0.95
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD11	3	0.84	0.18	0.73
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD12	3	0.84	0.18	0.73
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD13	3	0.84	0.18	0.73
(1,1620)	1:86:A:LYS:H	1:86:A:LYS:HD2	3	0.83	0.04	0.84
(2,2383)	1:63:A:LEU:HD11	1:64:A:LYS:H	3	0.81	0.05	0.83
(2,2383)	1:63:A:LEU:HD12	1:64:A:LYS:H	3	0.81	0.05	0.83
(2,2383)	1:63:A:LEU:HD13	1:64:A:LYS:H	3	0.81	0.05	0.83
(2,850)	1:84:A:LYS:H	1:83:A:ASP:HB2	3	0.8	0.07	0.76
(2,686)	1:73:A:LEU:HD21	1:118:A:PHE:HA	3	0.78	0.25	0.78
(2,686)	1:73:A:LEU:HD22	1:118:A:PHE:HA	3	0.78	0.25	0.78
(2,686)	1:73:A:LEU:HD23	1:118:A:PHE:HA	3	0.78	0.25	0.78
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD21	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD22	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD23	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD21	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD22	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD23	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD21	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD22	3	0.77	0.79	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD23	3	0.77	0.79	0.28
(1,1856)	1:85:A:VAL:HG11	1:28:A:TRP:HE1	3	0.73	0.22	0.68
(1,1856)	1:85:A:VAL:HG12	1:28:A:TRP:HE1	3	0.73	0.22	0.68
(1,1856)	1:85:A:VAL:HG13	1:28:A:TRP:HE1	3	0.73	0.22	0.68
(1,702)	1:101:A:ARG:HA	1:101:A:ARG:HD2	3	0.7	0.17	0.81
(1,1187)	1:91:A:LYS:H	1:91:A:LYS:HD2	3	0.69	0.42	0.94
(2,1422)	1:118:A:PHE:HB3	1:118:A:PHE:H	3	0.69	0.17	0.74
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	3	0.68	0.05	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	3	0.68	0.05	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	3	0.67	0.05	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	3	0.67	0.05	0.67
(2,1209)	1:105:A:VAL:HG11	1:110:A:GLU:HG2	3	0.66	0.45	0.67
(2,1209)	1:105:A:VAL:HG12	1:110:A:GLU:HG2	3	0.66	0.45	0.67
(2,1209)	1:105:A:VAL:HG13	1:110:A:GLU:HG2	3	0.66	0.45	0.67
(1,623)	1:94:A:ARG:HA	1:94:A:ARG:HD2	3	0.64	0.05	0.63
(2,1961)	1:112:A:LYS:HE2	1:112:A:LYS:H	3	0.62	0.08	0.65
(2,970)	1:93:A:ALA:HB1	1:90:A:GLU:HG2	3	0.58	0.28	0.78
(2,970)	1:93:A:ALA:HB2	1:90:A:GLU:HG2	3	0.58	0.28	0.78
(2,970)	1:93:A:ALA:HB3	1:90:A:GLU:HG2	3	0.58	0.28	0.78
(2,954)	1:121:A:GLU:H	1:121:A:GLU:HA	3	0.57	0.0	0.57
(2,2841)	1:23:A:LEU:HD21	1:121:A:GLU:H	3	0.57	0.07	0.6
(2,2841)	1:23:A:LEU:HD22	1:121:A:GLU:H	3	0.57	0.07	0.6
(2,2841)	1:23:A:LEU:HD23	1:121:A:GLU:H	3	0.57	0.07	0.6
(2,1754)	1:35:A:ILE:HD11	1:35:A:ILE:H	3	0.55	0.06	0.56
(2,1754)	1:35:A:ILE:HD12	1:35:A:ILE:H	3	0.55	0.06	0.56
(2,1754)	1:35:A:ILE:HD13	1:35:A:ILE:H	3	0.55	0.06	0.56
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	3	0.55	0.37	0.42
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	3	0.55	0.37	0.42
(2,2522)	1:82:A:ALA:H	1:83:A:ASP:HB3	3	0.54	0.19	0.5
(2,1309)	1:111:A:ALA:HB1	1:75:A:LEU:HG	3	0.52	0.12	0.57
(2,1309)	1:111:A:ALA:HB2	1:75:A:LEU:HG	3	0.52	0.12	0.57
(2,1309)	1:111:A:ALA:HB3	1:75:A:LEU:HG	3	0.52	0.12	0.57
(2,191)	1:34:A:LEU:HD11	1:105:A:VAL:HB	3	0.51	0.11	0.49
(2,191)	1:34:A:LEU:HD12	1:105:A:VAL:HB	3	0.51	0.11	0.49
(2,191)	1:34:A:LEU:HD13	1:105:A:VAL:HB	3	0.51	0.11	0.49
(1,298)	1:115:A:ILE:HG21	1:41:A:MET:HG3	3	0.5	0.14	0.41
(1,298)	1:115:A:ILE:HG22	1:41:A:MET:HG3	3	0.5	0.14	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,298)	1:115:A:ILE:HG23	1:41:A:MET:HG3	3	0.5	0.14	0.41
(2,2014)	1:33:A:LYS:HB2	1:33:A:LYS:H	3	0.46	0.02	0.45
(1,1702)	1:106:A:THR:H	1:110:A:GLU:HG2	3	0.44	0.08	0.49
(1,168)	1:112:A:LYS:HB2	1:41:A:MET:HG3	3	0.44	0.1	0.42
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	3	0.43	0.14	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	3	0.43	0.14	0.36
(1,696)	1:101:A:ARG:HB3	1:101:A:ARG:HD2	3	0.42	0.06	0.41
(2,1216)	1:105:A:VAL:HG11	1:75:A:LEU:HA	3	0.42	0.22	0.3
(2,1216)	1:105:A:VAL:HG12	1:75:A:LEU:HA	3	0.42	0.22	0.3
(2,1216)	1:105:A:VAL:HG13	1:75:A:LEU:HA	3	0.42	0.22	0.3
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD21	3	0.41	0.25	0.29
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD22	3	0.41	0.25	0.29
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD23	3	0.41	0.25	0.29
(1,1679)	1:87:A:LYS:H	1:87:A:LYS:HE2	3	0.41	0.18	0.38
(2,2350)	1:51:A:THR:HG1	1:52:A:LEU:H	3	0.4	0.06	0.42
(1,625)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	3	0.39	0.05	0.41
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB1	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB2	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB3	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB1	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB2	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB3	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB1	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB2	3	0.39	0.11	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB3	3	0.39	0.11	0.44
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD11	3	0.38	0.19	0.42
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD12	3	0.38	0.19	0.42
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD13	3	0.38	0.19	0.42
(2,1412)	1:118:A:PHE:HD1	1:118:A:PHE:HA	3	0.38	0.18	0.33
(2,1412)	1:118:A:PHE:HD2	1:118:A:PHE:HA	3	0.38	0.18	0.33
(1,721)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	3	0.38	0.24	0.26
(1,721)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	3	0.38	0.24	0.26
(1,721)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	3	0.38	0.24	0.26
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD11	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD12	3	0.37	0.29	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD13	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD11	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD12	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD13	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD11	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD12	3	0.37	0.29	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD13	3	0.37	0.29	0.19
(2,2443)	1:73:A:LEU:HD11	1:75:A:LEU:H	3	0.37	0.09	0.34
(2,2443)	1:73:A:LEU:HD12	1:75:A:LEU:H	3	0.37	0.09	0.34
(2,2443)	1:73:A:LEU:HD13	1:75:A:LEU:H	3	0.37	0.09	0.34
(1,475)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	3	0.37	0.16	0.32
(1,475)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	3	0.37	0.16	0.32
(1,475)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	3	0.37	0.16	0.32
(2,2385)	1:65:A:SER:HB3	1:66:A:LEU:H	3	0.36	0.12	0.44
(2,1037)	1:99:A:PRO:HD3	1:98:A:LEU:HB3	3	0.35	0.27	0.17
(2,2538)	1:85:A:VAL:HB	1:83:A:ASP:H	3	0.33	0.17	0.31
(2,1840)	1:83:A:ASP:HB2	1:83:A:ASP:H	3	0.32	0.07	0.35
(2,1867)	1:101:A:ARG:H	1:101:A:ARG:HG3	3	0.32	0.11	0.38
(2,2644)	1:93:A:ALA:HB1	1:100:A:VAL:H	3	0.32	0.22	0.23
(2,2644)	1:93:A:ALA:HB2	1:100:A:VAL:H	3	0.32	0.22	0.23
(2,2644)	1:93:A:ALA:HB3	1:100:A:VAL:H	3	0.32	0.22	0.23
(1,880)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	3	0.31	0.18	0.23
(1,880)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	3	0.31	0.18	0.23
(1,880)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	3	0.31	0.18	0.23
(2,2707)	1:107:A:SER:HB2	1:110:A:GLU:H	3	0.31	0.19	0.22
(1,1735)	1:93:A:ALA:H	1:91:A:LYS:HB2	3	0.29	0.02	0.3
(2,2156)	1:27:A:ILE:HG12	1:28:A:TRP:H	3	0.29	0.15	0.2
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG21	3	0.28	0.12	0.28
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG22	3	0.28	0.12	0.28
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG23	3	0.28	0.12	0.28
(2,703)	1:73:A:LEU:HD11	1:118:A:PHE:H	3	0.28	0.07	0.29
(2,703)	1:73:A:LEU:HD12	1:118:A:PHE:H	3	0.28	0.07	0.29
(2,703)	1:73:A:LEU:HD13	1:118:A:PHE:H	3	0.28	0.07	0.29
(2,297)	1:43:A:GLU:HB3	1:43:A:GLU:HA	3	0.27	0.04	0.25
(1,1472)	1:37:A:GLU:H	1:37:A:GLU:HG2	3	0.26	0.0	0.26
(1,13)	1:49:A:LEU:HD11	1:39:A:ARG:HB3	3	0.26	0.08	0.31
(1,13)	1:49:A:LEU:HD12	1:39:A:ARG:HB3	3	0.26	0.08	0.31
(1,13)	1:49:A:LEU:HD13	1:39:A:ARG:HB3	3	0.26	0.08	0.31
(2,791)	1:77:A:GLU:HA	1:104:A:LYS:HA	3	0.25	0.12	0.22
(2,1479)	1:58:A:LYS:HA	1:62:A:ILE:HG12	3	0.25	0.1	0.3
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG21	3	0.25	0.02	0.25
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG22	3	0.25	0.02	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG23	3	0.25	0.02	0.25
(2,678)	1:102:A:ILE:HG21	1:104:A:LYS:HG2	3	0.24	0.04	0.26
(2,678)	1:102:A:ILE:HG22	1:104:A:LYS:HG2	3	0.24	0.04	0.26
(2,678)	1:102:A:ILE:HG23	1:104:A:LYS:HG2	3	0.24	0.04	0.26
(2,2099)	1:87:A:LYS:H	1:87:A:LYS:HD3	3	0.23	0.04	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG11	3	0.23	0.01	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG12	3	0.23	0.01	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG13	3	0.23	0.01	0.23
(1,216)	1:49:A:LEU:HA	1:49:A:LEU:HB3	3	0.22	0.02	0.23
(2,1740)	1:30:A:ASN:HB3	1:30:A:ASN:H	3	0.22	0.09	0.28
(1,808)	1:110:A:GLU:H	1:109:A:ASP:HB2	3	0.22	0.03	0.24
(2,1046)	1:98:A:LEU:HA	1:99:A:PRO:HG3	3	0.22	0.04	0.2
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD11	3	0.22	0.06	0.18
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD12	3	0.22	0.06	0.18
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD13	3	0.22	0.06	0.18
(1,1712)	1:63:A:LEU:H	1:63:A:LEU:HG	3	0.21	0.05	0.21
(2,2490)	1:78:A:ASP:H	1:105:A:VAL:H	3	0.21	0.09	0.21
(2,1508)	1:24:A:LEU:HD11	1:50:A:LEU:HB2	3	0.2	0.07	0.21
(2,1508)	1:24:A:LEU:HD12	1:50:A:LEU:HB2	3	0.2	0.07	0.21
(2,1508)	1:24:A:LEU:HD13	1:50:A:LEU:HB2	3	0.2	0.07	0.21
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG11	3	0.2	0.09	0.15
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG12	3	0.2	0.09	0.15
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG13	3	0.2	0.09	0.15
(2,1398)	1:117:A:GLU:HA	1:120:A:GLU:H	3	0.2	0.04	0.22
(1,464)	1:27:A:ILE:HB	1:75:A:LEU:HB3	3	0.2	0.07	0.21
(1,25)	1:24:A:LEU:HB2	1:72:A:ILE:HG13	3	0.19	0.05	0.21
(2,2274)	1:40:A:LYS:HB2	1:41:A:MET:H	3	0.18	0.04	0.15
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB1	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB2	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB3	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB1	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB2	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB3	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB1	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB2	3	0.18	0.01	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB3	3	0.18	0.01	0.18
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD11	3	0.17	0.03	0.19
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD12	3	0.17	0.03	0.19
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD13	3	0.17	0.03	0.19
(1,260)	1:54:A:THR:H	1:54:A:THR:HB	3	0.17	0.03	0.17
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	3	0.17	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	3	0.17	0.04	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	3	0.17	0.04	0.14
(1,1198)	1:117:A:GLU:H	1:118:A:PHE:HB3	3	0.17	0.03	0.15
(1,1371)	1:87:A:LYS:H	1:87:A:LYS:HG3	3	0.17	0.04	0.16
(2,1916)	1:43:A:GLU:HB3	1:43:A:GLU:H	3	0.17	0.01	0.16
(2,2656)	1:101:A:ARG:HG2	1:102:A:ILE:H	3	0.17	0.03	0.17
(2,1987)	1:50:A:LEU:H	1:50:A:LEU:HB2	3	0.15	0.04	0.17
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	3	0.15	0.04	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	3	0.15	0.04	0.14
(1,1687)	1:71:A:LYS:H	1:72:A:ILE:HG13	3	0.15	0.02	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD21	3	0.15	0.0	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD22	3	0.15	0.0	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD23	3	0.15	0.0	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD11	3	0.15	0.03	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD12	3	0.15	0.03	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD13	3	0.15	0.03	0.15
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD11	3	0.14	0.04	0.11
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD12	3	0.14	0.04	0.11
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD13	3	0.14	0.04	0.11
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	3	0.14	0.0	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	3	0.14	0.0	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	3	0.14	0.0	0.14
(2,445)	1:59:A:ILE:HD11	1:59:A:ILE:HA	3	0.14	0.0	0.14
(2,445)	1:59:A:ILE:HD12	1:59:A:ILE:HA	3	0.14	0.0	0.14
(2,445)	1:59:A:ILE:HD13	1:59:A:ILE:HA	3	0.14	0.0	0.14
(2,1689)	1:84:A:LYS:H	1:85:A:VAL:H	3	0.14	0.02	0.12
(1,746)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	3	0.13	0.02	0.14
(2,1701)	1:33:A:LYS:H	1:34:A:LEU:H	3	0.13	0.03	0.12
(2,1770)	1:49:A:LEU:HB3	1:49:A:LEU:H	3	0.13	0.01	0.13
(2,2583)	1:90:A:GLU:H	1:89:A:ILE:HB	3	0.12	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1964)	1:116:A:LYS:H	1:116:A:LYS:HB3	3	0.12	0.01	0.12
(2,2137)	1:26:A:LEU:H	1:72:A:ILE:HA	3	0.12	0.01	0.12
(1,151)	1:94:A:ARG:HB2	1:94:A:ARG:HA	3	0.11	0.01	0.11
(2,1707)	1:117:A:GLU:H	1:118:A:PHE:H	3	0.11	0.01	0.11
(3,1)	1:36:A:GLU:H	1:32:A:LYS:O	3	0.11	0.0	0.11
(1,1698)	1:62:A:ILE:H	1:61:A:ASP:HB3	3	0.11	0.01	0.1
(2,1019)	1:100:A:VAL:HG11	1:99:A:PRO:HA	3	0.11	0.01	0.1
(2,1019)	1:100:A:VAL:HG12	1:99:A:PRO:HA	3	0.11	0.01	0.1
(2,1019)	1:100:A:VAL:HG13	1:99:A:PRO:HA	3	0.11	0.01	0.1
(2,2045)	1:117:A:GLU:H	1:117:A:GLU:HB3	3	0.1	0.0	0.1
(2,609)	1:70:A:VAL:HG21	1:68:A:PRO:HA	2	1.55	0.03	1.55
(2,609)	1:70:A:VAL:HG22	1:68:A:PRO:HA	2	1.55	0.03	1.55
(2,609)	1:70:A:VAL:HG23	1:68:A:PRO:HA	2	1.55	0.03	1.55
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG21	2	1.54	0.16	1.54
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG22	2	1.54	0.16	1.54
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG23	2	1.54	0.16	1.54
(1,1588)	1:34:A:LEU:H	1:29:A:SER:HB2	2	1.1	0.22	1.1
(2,1937)	1:57:A:LYS:HD2	1:57:A:LYS:H	2	1.08	0.84	1.08
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG21	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG22	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG23	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG21	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG22	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG23	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG21	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG22	2	1.06	0.19	1.06
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG23	2	1.06	0.19	1.06
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG11	2	1.02	0.01	1.02
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG12	2	1.02	0.01	1.02
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG13	2	1.02	0.01	1.02
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD21	2	1.02	0.02	1.02
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD22	2	1.02	0.02	1.02
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD23	2	1.02	0.02	1.02
(2,2330)	1:25:A:VAL:HB	1:49:A:LEU:H	2	0.98	0.0	0.98
(2,1010)	1:98:A:LEU:HD21	1:63:A:LEU:HB3	2	0.98	0.02	0.98
(2,1010)	1:98:A:LEU:HD22	1:63:A:LEU:HB3	2	0.98	0.02	0.98
(2,1010)	1:98:A:LEU:HD23	1:63:A:LEU:HB3	2	0.98	0.02	0.98
(1,345)	1:71:A:LYS:H	1:66:A:LEU:HB2	2	0.95	0.19	0.95
(2,2353)	1:52:A:LEU:HG	1:53:A:GLU:H	2	0.9	0.08	0.9
(2,1866)	1:101:A:ARG:H	1:101:A:ARG:HG2	2	0.9	0.04	0.9
(1,877)	1:103:A:ARG:HG2	1:114:A:TRP:HB2	2	0.86	0.02	0.86
(2,2336)	1:25:A:VAL:HB	1:50:A:LEU:H	2	0.8	0.1	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2010)	1:113:A:ARG:H	1:113:A:ARG:HD2	2	0.79	0.0	0.79
(2,1811)	1:70:A:VAL:HG11	1:70:A:VAL:H	2	0.78	0.02	0.78
(2,1811)	1:70:A:VAL:HG12	1:70:A:VAL:H	2	0.78	0.02	0.78
(2,1811)	1:70:A:VAL:HG13	1:70:A:VAL:H	2	0.78	0.02	0.78
(2,268)	1:41:A:MET:HA	1:44:A:LYS:HB2	2	0.76	0.6	0.76
(2,2080)	1:94:A:ARG:H	1:94:A:ARG:HD2	2	0.73	0.0	0.73
(1,2113)	1:117:A:GLU:H	1:116:A:LYS:HD2	2	0.73	0.08	0.73
(1,125)	1:35:A:ILE:HD11	1:32:A:LYS:HE2	2	0.72	0.14	0.72
(1,125)	1:35:A:ILE:HD12	1:32:A:LYS:HE2	2	0.72	0.14	0.72
(1,125)	1:35:A:ILE:HD13	1:32:A:LYS:HE2	2	0.72	0.14	0.72
(1,732)	1:103:A:ARG:HA	1:103:A:ARG:HD2	2	0.72	0.02	0.72
(2,1424)	1:73:A:LEU:HD11	1:118:A:PHE:HB3	2	0.7	0.34	0.7
(2,1424)	1:73:A:LEU:HD12	1:118:A:PHE:HB3	2	0.7	0.34	0.7
(2,1424)	1:73:A:LEU:HD13	1:118:A:PHE:HB3	2	0.7	0.34	0.7
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD11	2	0.7	0.44	0.7
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD12	2	0.7	0.44	0.7
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD13	2	0.7	0.44	0.7
(2,47)	1:98:A:LEU:HD11	1:63:A:LEU:HB2	2	0.69	0.05	0.69
(2,47)	1:98:A:LEU:HD12	1:63:A:LEU:HB2	2	0.69	0.05	0.69
(2,47)	1:98:A:LEU:HD13	1:63:A:LEU:HB2	2	0.69	0.05	0.69
(1,356)	1:70:A:VAL:HG21	1:68:A:PRO:HB3	2	0.68	0.01	0.68
(1,356)	1:70:A:VAL:HG22	1:68:A:PRO:HB3	2	0.68	0.01	0.68
(1,356)	1:70:A:VAL:HG23	1:68:A:PRO:HB3	2	0.68	0.01	0.68
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG21	2	0.66	0.15	0.66
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG22	2	0.66	0.15	0.66
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG23	2	0.66	0.15	0.66
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD11	2	0.64	0.02	0.64
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD12	2	0.64	0.02	0.64
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD13	2	0.64	0.02	0.64
(2,2159)	1:27:A:ILE:HG21	1:29:A:SER:H	2	0.64	0.19	0.64
(2,2159)	1:27:A:ILE:HG22	1:29:A:SER:H	2	0.64	0.19	0.64
(2,2159)	1:27:A:ILE:HG23	1:29:A:SER:H	2	0.64	0.19	0.64
(2,285)	1:42:A:ALA:HA	1:47:A:LEU:H	2	0.6	0.14	0.6
(1,386)	1:70:A:VAL:HG21	1:68:A:PRO:HA	2	0.6	0.03	0.6
(1,386)	1:70:A:VAL:HG22	1:68:A:PRO:HA	2	0.6	0.03	0.6
(1,386)	1:70:A:VAL:HG23	1:68:A:PRO:HA	2	0.6	0.03	0.6
(2,1166)	1:76:A:LEU:HD21	1:104:A:LYS:HA	2	0.6	0.15	0.6
(2,1166)	1:76:A:LEU:HD22	1:104:A:LYS:HA	2	0.6	0.15	0.6
(2,1166)	1:76:A:LEU:HD23	1:104:A:LYS:HA	2	0.6	0.15	0.6
(1,729)	1:103:A:ARG:HB3	1:103:A:ARG:HD3	2	0.58	0.07	0.58
(2,2011)	1:113:A:ARG:H	1:113:A:ARG:HD3	2	0.58	0.02	0.58
(2,2409)	1:70:A:VAL:HG21	1:71:A:LYS:H	2	0.56	0.16	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2409)	1:70:A:VAL:HG22	1:71:A:LYS:H	2	0.56	0.16	0.56
(2,2409)	1:70:A:VAL:HG23	1:71:A:LYS:H	2	0.56	0.16	0.56
(1,936)	1:47:A:LEU:HD11	1:119:A:SER:HB2	2	0.52	0.2	0.52
(1,936)	1:47:A:LEU:HD12	1:119:A:SER:HB2	2	0.52	0.2	0.52
(1,936)	1:47:A:LEU:HD13	1:119:A:SER:HB2	2	0.52	0.2	0.52
(1,73)	1:35:A:ILE:HD11	1:29:A:SER:HB2	2	0.52	0.08	0.52
(1,73)	1:35:A:ILE:HD12	1:29:A:SER:HB2	2	0.52	0.08	0.52
(1,73)	1:35:A:ILE:HD13	1:29:A:SER:HB2	2	0.52	0.08	0.52
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD21	2	0.52	0.22	0.52
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD22	2	0.52	0.22	0.52
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD23	2	0.52	0.22	0.52
(1,1376)	1:82:A:ALA:H	1:80:A:LYS:HG2	2	0.52	0.08	0.52
(2,2154)	1:27:A:ILE:HG13	1:28:A:TRP:H	2	0.5	0.36	0.5
(2,1523)	1:98:A:LEU:HD21	1:63:A:LEU:HB2	2	0.48	0.05	0.48
(2,1523)	1:98:A:LEU:HD22	1:63:A:LEU:HB2	2	0.48	0.05	0.48
(2,1523)	1:98:A:LEU:HD23	1:63:A:LEU:HB2	2	0.48	0.05	0.48
(2,2646)	1:74:A:VAL:H	1:101:A:ARG:H	2	0.48	0.02	0.48
(1,1201)	1:91:A:LYS:H	1:91:A:LYS:HE2	2	0.47	0.28	0.47
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD1	2	0.46	0.24	0.46
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD2	2	0.46	0.24	0.46
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD21	2	0.46	0.05	0.46
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD22	2	0.46	0.05	0.46
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD23	2	0.46	0.05	0.46
(1,472)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	2	0.45	0.31	0.45
(1,472)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	2	0.45	0.31	0.45
(1,472)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	2	0.45	0.31	0.45
(1,344)	1:66:A:LEU:HB2	1:66:A:LEU:HA	2	0.45	0.02	0.45
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG21	2	0.45	0.14	0.45
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG22	2	0.45	0.14	0.45
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG23	2	0.45	0.14	0.45
(1,2056)	1:83:A:ASP:H	1:80:A:LYS:HG2	2	0.44	0.18	0.44
(2,1575)	1:74:A:VAL:H	1:101:A:ARG:H	2	0.44	0.02	0.44
(2,2393)	1:66:A:LEU:HB3	1:67:A:GLY:H	2	0.44	0.02	0.44
(2,2829)	1:117:A:GLU:HA	1:120:A:GLU:H	2	0.44	0.14	0.44
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD21	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD22	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD23	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD21	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD22	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD23	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD21	2	0.44	0.05	0.44
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD22	2	0.44	0.05	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD23	2	0.44	0.05	0.44
(1,347)	1:66:A:LEU:H	1:66:A:LEU:HB3	2	0.44	0.05	0.44
(2,1715)	1:23:A:LEU:HD21	1:23:A:LEU:H	2	0.44	0.05	0.44
(2,1715)	1:23:A:LEU:HD22	1:23:A:LEU:H	2	0.44	0.05	0.44
(2,1715)	1:23:A:LEU:HD23	1:23:A:LEU:H	2	0.44	0.05	0.44
(2,2161)	1:29:A:SER:H	1:77:A:GLU:HB2	2	0.43	0.02	0.43
(1,1778)	1:71:A:LYS:H	1:71:A:LYS:HD2	2	0.42	0.08	0.42
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD1	2	0.41	0.08	0.41
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD2	2	0.41	0.08	0.41
(1,892)	1:115:A:ILE:HB	1:41:A:MET:HG3	2	0.4	0.24	0.4
(2,2317)	1:47:A:LEU:HD11	1:46:A:ASN:H	2	0.4	0.18	0.4
(2,2317)	1:47:A:LEU:HD12	1:46:A:ASN:H	2	0.4	0.18	0.4
(2,2317)	1:47:A:LEU:HD13	1:46:A:ASN:H	2	0.4	0.18	0.4
(1,711)	1:102:A:ILE:HD11	1:86:A:LYS:HG2	2	0.38	0.02	0.38
(1,711)	1:102:A:ILE:HD12	1:86:A:LYS:HG2	2	0.38	0.02	0.38
(1,711)	1:102:A:ILE:HD13	1:86:A:LYS:HG2	2	0.38	0.02	0.38
(2,337)	1:26:A:LEU:HD21	1:49:A:LEU:HA	2	0.38	0.02	0.38
(2,337)	1:26:A:LEU:HD22	1:49:A:LEU:HA	2	0.38	0.02	0.38
(2,337)	1:26:A:LEU:HD23	1:49:A:LEU:HA	2	0.38	0.02	0.38
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD11	2	0.38	0.13	0.38
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD12	2	0.38	0.13	0.38
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD13	2	0.38	0.13	0.38
(2,841)	1:83:A:ASP:HA	1:86:A:LYS:HB2	2	0.37	0.07	0.37
(2,2669)	1:103:A:ARG:HB3	1:104:A:LYS:H	2	0.36	0.08	0.36
(1,2210)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	2	0.36	0.01	0.36
(2,2523)	1:79:A:THR:HG1	1:82:A:ALA:H	2	0.35	0.22	0.35
(1,1044)	1:53:A:GLU:H	1:53:A:GLU:HG2	2	0.34	0.22	0.34
(1,2194)	1:57:A:LYS:H	1:56:A:ASP:HB2	2	0.34	0.05	0.34
(2,2157)	1:28:A:TRP:H	1:75:A:LEU:HB3	2	0.34	0.05	0.34
(2,2131)	1:49:A:LEU:HB2	1:25:A:VAL:H	2	0.33	0.22	0.33
(1,1508)	1:63:A:LEU:H	1:48:A:TYR:HB2	2	0.32	0.21	0.32
(1,69)	1:28:A:TRP:HB3	1:28:A:TRP:HA	2	0.32	0.14	0.32
(1,1295)	1:84:A:LYS:H	1:84:A:LYS:HD2	2	0.3	0.16	0.3
(2,1362)	1:118:A:PHE:HD1	1:115:A:ILE:HA	2	0.3	0.05	0.3
(2,1362)	1:118:A:PHE:HD2	1:115:A:ILE:HA	2	0.3	0.05	0.3
(2,296)	1:43:A:GLU:HA	1:43:A:GLU:HG2	2	0.3	0.13	0.3
(1,648)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	2	0.29	0.03	0.29
(1,648)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	2	0.29	0.03	0.29
(1,648)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	2	0.29	0.03	0.29
(2,840)	1:86:A:LYS:HG2	1:83:A:ASP:HA	2	0.29	0.1	0.29
(2,689)	1:73:A:LEU:HD21	1:101:A:ARG:H	2	0.29	0.1	0.29
(2,689)	1:73:A:LEU:HD22	1:101:A:ARG:H	2	0.29	0.1	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,689)	1:73:A:LEU:HD23	1:101:A:ARG:H	2	0.29	0.1	0.29
(2,154)	1:32:A:LYS:HA	1:32:A:LYS:HG2	2	0.28	0.16	0.28
(2,2236)	1:111:A:ALA:HB1	1:38:A:ALA:H	2	0.28	0.14	0.28
(2,2236)	1:111:A:ALA:HB2	1:38:A:ALA:H	2	0.28	0.14	0.28
(2,2236)	1:111:A:ALA:HB3	1:38:A:ALA:H	2	0.28	0.14	0.28
(2,2386)	1:66:A:LEU:H	1:63:A:LEU:HA	2	0.26	0.12	0.26
(2,2636)	1:94:A:ARG:HA	1:98:A:LEU:H	2	0.26	0.1	0.26
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD21	2	0.26	0.12	0.26
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD22	2	0.26	0.12	0.26
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD23	2	0.26	0.12	0.26
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD11	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD12	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD13	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD11	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD12	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD13	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD11	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD12	2	0.26	0.08	0.26
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD13	2	0.26	0.08	0.26
(2,2371)	1:59:A:ILE:HA	1:62:A:ILE:H	2	0.26	0.08	0.26
(2,1128)	1:102:A:ILE:HG21	1:104:A:LYS:HG3	2	0.24	0.03	0.24
(2,1128)	1:102:A:ILE:HG22	1:104:A:LYS:HG3	2	0.24	0.03	0.24
(2,1128)	1:102:A:ILE:HG23	1:104:A:LYS:HG3	2	0.24	0.03	0.24
(1,149)	1:49:A:LEU:HD11	1:39:A:ARG:HA	2	0.24	0.05	0.24
(1,149)	1:49:A:LEU:HD12	1:39:A:ARG:HA	2	0.24	0.05	0.24
(1,149)	1:49:A:LEU:HD13	1:39:A:ARG:HA	2	0.24	0.05	0.24
(1,672)	1:98:A:LEU:HB3	1:99:A:PRO:HD2	2	0.24	0.08	0.24
(2,1210)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	2	0.23	0.07	0.23
(2,1210)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	2	0.23	0.07	0.23
(2,1210)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	2	0.23	0.07	0.23
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	2	0.22	0.05	0.22
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	2	0.22	0.05	0.22
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	2	0.22	0.05	0.22
(1,787)	1:27:A:ILE:HD11	1:29:A:SER:HB2	2	0.22	0.11	0.22
(1,787)	1:27:A:ILE:HD12	1:29:A:SER:HB2	2	0.22	0.11	0.22
(1,787)	1:27:A:ILE:HD13	1:29:A:SER:HB2	2	0.22	0.11	0.22
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD21	2	0.22	0.01	0.22
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD22	2	0.22	0.01	0.22
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD23	2	0.22	0.01	0.22
(1,306)	1:63:A:LEU:HB2	1:60:A:GLU:HA	2	0.22	0.01	0.22
(2,2301)	1:43:A:GLU:HB3	1:44:A:LYS:H	2	0.22	0.09	0.22
(1,1854)	1:82:A:ALA:H	1:28:A:TRP:HE3	2	0.22	0.07	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1995)	1:73:A:LEU:H	1:73:A:LEU:HB2	2	0.22	0.01	0.22
(1,553)	1:85:A:VAL:HA	1:88:A:GLU:HG3	2	0.21	0.03	0.21
(1,2096)	1:84:A:LYS:H	1:84:A:LYS:HG2	2	0.21	0.03	0.21
(2,1753)	1:35:A:ILE:HG12	1:35:A:ILE:H	2	0.21	0.03	0.21
(1,669)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	2	0.2	0.03	0.2
(1,669)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	2	0.2	0.03	0.2
(1,669)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	2	0.2	0.03	0.2
(2,221)	1:35:A:ILE:HG21	1:36:A:GLU:HA	2	0.2	0.06	0.2
(2,221)	1:35:A:ILE:HG22	1:36:A:GLU:HA	2	0.2	0.06	0.2
(2,221)	1:35:A:ILE:HG23	1:36:A:GLU:HA	2	0.2	0.06	0.2
(2,459)	1:59:A:ILE:HG21	1:60:A:GLU:HG2	2	0.2	0.08	0.2
(2,459)	1:59:A:ILE:HG22	1:60:A:GLU:HG2	2	0.2	0.08	0.2
(2,459)	1:59:A:ILE:HG23	1:60:A:GLU:HG2	2	0.2	0.08	0.2
(1,495)	1:34:A:LEU:HD11	1:77:A:GLU:HA	2	0.2	0.03	0.2
(1,495)	1:34:A:LEU:HD12	1:77:A:GLU:HA	2	0.2	0.03	0.2
(1,495)	1:34:A:LEU:HD13	1:77:A:GLU:HA	2	0.2	0.03	0.2
(2,1643)	1:111:A:ALA:H	1:110:A:GLU:H	2	0.2	0.06	0.2
(1,569)	1:86:A:LYS:HA	1:86:A:LYS:HD2	2	0.2	0.09	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD21	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD22	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD23	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD21	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD22	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD23	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD21	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD22	2	0.2	0.01	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD23	2	0.2	0.01	0.2
(2,1194)	1:105:A:VAL:HB	1:111:A:ALA:H	2	0.2	0.01	0.2
(2,2602)	1:90:A:GLU:HA	1:93:A:ALA:H	2	0.2	0.04	0.2
(1,380)	1:22:A:GLY:HA3	1:70:A:VAL:HA	2	0.19	0.03	0.19
(1,871)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	2	0.19	0.03	0.19
(2,203)	1:35:A:ILE:HA	1:38:A:ALA:H	2	0.19	0.05	0.19
(2,2341)	1:50:A:LEU:HB2	1:51:A:THR:H	2	0.19	0.01	0.19
(1,384)	1:70:A:VAL:HA	1:70:A:VAL:HB	2	0.18	0.01	0.18
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD21	2	0.18	0.04	0.18
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD22	2	0.18	0.04	0.18
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD23	2	0.18	0.04	0.18
(2,890)	1:102:A:ILE:HG21	1:86:A:LYS:HA	2	0.18	0.02	0.18
(2,890)	1:102:A:ILE:HG22	1:86:A:LYS:HA	2	0.18	0.02	0.18
(2,890)	1:102:A:ILE:HG23	1:86:A:LYS:HA	2	0.18	0.02	0.18
(1,114)	1:34:A:LEU:HB2	1:34:A:LEU:HG	2	0.18	0.01	0.18
(1,1716)	1:78:A:ASP:H	1:77:A:GLU:HG2	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1988)	1:50:A:LEU:H	1:50:A:LEU:HG	2	0.18	0.03	0.18
(2,2332)	1:25:A:VAL:HG21	1:49:A:LEU:H	2	0.18	0.04	0.18
(2,2332)	1:25:A:VAL:HG22	1:49:A:LEU:H	2	0.18	0.04	0.18
(2,2332)	1:25:A:VAL:HG23	1:49:A:LEU:H	2	0.18	0.04	0.18
(1,503)	1:77:A:GLU:H	1:77:A:GLU:HB2	2	0.18	0.04	0.18
(1,1036)	1:102:A:ILE:H	1:101:A:ARG:HD2	2	0.18	0.03	0.18
(2,1445)	1:120:A:GLU:HA	1:120:A:GLU:HG2	2	0.18	0.04	0.18
(2,1938)	1:86:A:LYS:H	1:86:A:LYS:HB2	2	0.18	0.03	0.18
(2,2601)	1:93:A:ALA:H	1:91:A:LYS:HA	2	0.18	0.06	0.18
(2,2402)	1:23:A:LEU:HA	1:71:A:LYS:H	2	0.17	0.06	0.17
(1,106)	1:34:A:LEU:HB2	1:34:A:LEU:HG	2	0.16	0.01	0.16
(1,2140)	1:55:A:ASP:H	1:55:A:ASP:HB2	2	0.16	0.06	0.16
(2,473)	1:62:A:ILE:HA	1:61:A:ASP:HB2	2	0.16	0.01	0.16
(2,1341)	1:113:A:ARG:HA	1:113:A:ARG:HD3	2	0.16	0.06	0.16
(1,214)	1:26:A:LEU:HG	1:49:A:LEU:HA	2	0.16	0.0	0.16
(1,294)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	2	0.16	0.03	0.16
(1,1463)	1:121:A:GLU:H	1:121:A:GLU:HG3	2	0.16	0.01	0.16
(2,2203)	1:32:A:LYS:HA	1:34:A:LEU:H	2	0.16	0.03	0.16
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD21	2	0.16	0.02	0.16
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD22	2	0.16	0.02	0.16
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD23	2	0.16	0.02	0.16
(2,2659)	1:76:A:LEU:H	1:103:A:ARG:H	2	0.16	0.02	0.16
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	2	0.16	0.05	0.16
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	2	0.16	0.05	0.16
(2,2112)	1:88:A:GLU:H	1:88:A:GLU:HB2	2	0.16	0.04	0.16
(2,2329)	1:49:A:LEU:H	1:48:A:TYR:HB3	2	0.16	0.04	0.16
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD21	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD22	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD23	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD21	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD22	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD23	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD21	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD22	2	0.15	0.01	0.15
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD23	2	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,509)	1:36:A:GLU:HA	1:36:A:GLU:HG2	2	0.15	0.04	0.15
(1,1724)	1:46:A:ASN:H	1:47:A:LEU:HG	2	0.15	0.03	0.15
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB1	2	0.15	0.03	0.15
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB2	2	0.15	0.03	0.15
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB3	2	0.15	0.03	0.15
(1,449)	1:26:A:LEU:HB2	1:74:A:VAL:HA	2	0.14	0.01	0.14
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD11	2	0.14	0.02	0.14
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD12	2	0.14	0.02	0.14
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD13	2	0.14	0.02	0.14
(1,606)	1:91:A:LYS:HA	1:94:A:ARG:HD2	2	0.14	0.03	0.14
(1,994)	1:89:A:ILE:HG21	1:92:A:LYS:HB3	2	0.14	0.01	0.14
(1,994)	1:89:A:ILE:HG22	1:92:A:LYS:HB3	2	0.14	0.01	0.14
(1,994)	1:89:A:ILE:HG23	1:92:A:LYS:HB3	2	0.14	0.01	0.14
(2,2622)	1:94:A:ARG:HD2	1:95:A:LYS:H	2	0.14	0.04	0.14
(2,2649)	1:100:A:VAL:HG11	1:101:A:ARG:H	2	0.14	0.02	0.14
(2,2649)	1:100:A:VAL:HG12	1:101:A:ARG:H	2	0.14	0.02	0.14
(2,2649)	1:100:A:VAL:HG13	1:101:A:ARG:H	2	0.14	0.02	0.14
(1,794)	1:34:A:LEU:HD11	1:108:A:PRO:HA	2	0.14	0.02	0.14
(1,794)	1:34:A:LEU:HD12	1:108:A:PRO:HA	2	0.14	0.02	0.14
(1,794)	1:34:A:LEU:HD13	1:108:A:PRO:HA	2	0.14	0.02	0.14
(1,2215)	1:91:A:LYS:H	1:91:A:LYS:HG2	2	0.14	0.01	0.14
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	2	0.13	0.0	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	2	0.13	0.0	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	2	0.13	0.0	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD21	2	0.13	0.0	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD22	2	0.13	0.0	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD23	2	0.13	0.0	0.13
(1,1343)	1:117:A:GLU:H	1:117:A:GLU:HG3	2	0.13	0.0	0.13
(2,1363)	1:118:A:PHE:HB3	1:115:A:ILE:HA	2	0.13	0.03	0.13
(2,2727)	1:105:A:VAL:HG21	1:111:A:ALA:H	2	0.13	0.01	0.13
(2,2727)	1:105:A:VAL:HG22	1:111:A:ALA:H	2	0.13	0.01	0.13
(2,2727)	1:105:A:VAL:HG23	1:111:A:ALA:H	2	0.13	0.01	0.13
(1,874)	1:113:A:ARG:HG2	1:113:A:ARG:HD3	2	0.12	0.01	0.12
(1,1015)	1:60:A:GLU:HA	1:60:A:GLU:HG2	2	0.12	0.02	0.12
(2,1325)	1:113:A:ARG:HA	1:116:A:LYS:H	2	0.12	0.01	0.12
(2,2403)	1:71:A:LYS:H	1:70:A:VAL:HA	2	0.12	0.02	0.12
(2,78)	1:26:A:LEU:HA	1:26:A:LEU:HG	2	0.12	0.02	0.12
(1,781)	1:107:A:SER:H	1:107:A:SER:HB2	2	0.12	0.01	0.12
(2,2012)	1:119:A:SER:H	1:119:A:SER:HB2	2	0.12	0.02	0.12
(2,2326)	1:48:A:TYR:HA	1:49:A:LEU:H	2	0.12	0.0	0.12
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG11	2	0.11	0.0	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG12	2	0.11	0.0	0.11

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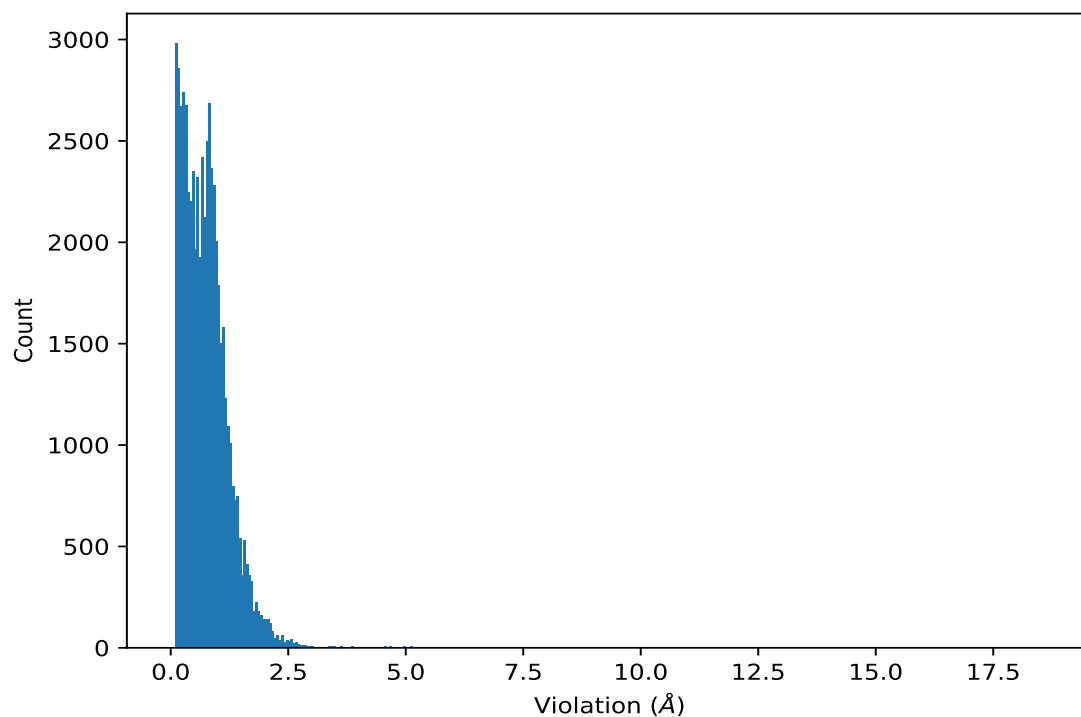
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG13	2	0.11	0.0	0.11
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD21	2	0.11	0.01	0.11
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD22	2	0.11	0.01	0.11
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD23	2	0.11	0.01	0.11
(1,1674)	1:87:A:LYS:H	1:87:A:LYS:HG2	2	0.11	0.01	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG21	2	0.11	0.0	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG22	2	0.11	0.0	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG23	2	0.11	0.0	0.11
(2,1849)	1:89:A:ILE:HG21	1:89:A:ILE:H	2	0.11	0.0	0.11
(2,1849)	1:89:A:ILE:HG22	1:89:A:ILE:H	2	0.11	0.0	0.11
(2,1849)	1:89:A:ILE:HG23	1:89:A:ILE:H	2	0.11	0.0	0.11

¹Number of violated models, ²Standard 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)
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	20	18.69
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	3	18.58
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	7	18.5
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	13	18.42
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	5	18.39
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	19	18.23
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	12	18.19
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	1	18.07
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	18	18.02
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	10	17.93
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	2	17.83
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	6	17.68
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	16	17.59
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	14	17.5
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	15	17.49
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	9	17.38
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	8	17.37
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	11	17.31
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	17	17.09
(2,1741)	1:30:A:ASN:HB2	1:24:A:LEU:H	4	16.97
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	5	7.98
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	17	7.51
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	11	6.97
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	15	6.77
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	2	6.74
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	18	6.73
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	14	6.6
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	5	6.49
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	16	6.46
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	5	6.42
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	18	6.37
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	16	6.31
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	7	6.25
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	3	6.07
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	17	6.07
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	7	5.91
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	14	5.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	13	5.91
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	8	5.85
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	17	5.83
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	18	5.82
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	2	5.78
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	12	5.69
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	20	5.65
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	2	5.57
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	9	5.53
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	20	5.48
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	12	5.45
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	14	5.45
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	18	5.44
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	15	5.41
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	14	5.38
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	1	5.32
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	14	5.28
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	9	5.28
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	13	5.21
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	13	5.21
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	13	5.21
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	11	5.21
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	16	5.19
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	8	5.17
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	1	5.15
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	2	5.12
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	20	5.1
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	20	5.1
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	20	5.1
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	19	5.1
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	16	5.07
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	19	5.06
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	19	5.05
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	13	5.03
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	12	4.98
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	12	4.98
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	12	4.98
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	3	4.98
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	12	4.97
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	12	4.97
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	20	4.96
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	15	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	5	4.8
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	10	4.78
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	9	4.77
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	17	4.71
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	16	4.69
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	8	4.69
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	8	4.69
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	8	4.69
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	5	4.66
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	20	4.65
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	9	4.63
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	3	4.63
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	8	4.57
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	20	4.57
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	20	4.57
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	20	4.57
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	12	4.56
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	19	4.5
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	4	4.48
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	15	4.47
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	3	4.45
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	8	4.44
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	10	4.42
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	10	4.41
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	9	4.37
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	9	4.37
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	9	4.37
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	11	4.35
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	9	4.33
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	8	4.32
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	8	4.32
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	8	4.32
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	4	4.21
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	15	4.11
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	15	4.11
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	15	4.11
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	15	4.11
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	4	4.08
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	4	4.08
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	4	4.08
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	1	4.05
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	17	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	17	4.04
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	17	4.04
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	13	4.01
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	9	3.99
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	9	3.99
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	9	3.99
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	7	3.98
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	17	3.93
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	8	3.91
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	8	3.91
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	8	3.91
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	13	3.89
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	11	3.88
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	11	3.88
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	11	3.88
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	7	3.87
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	8	3.79
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	8	3.79
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	8	3.79
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	8	3.71
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	6	3.69
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	5	3.62
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	5	3.62
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	5	3.62
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	5	3.62
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	5	3.62
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	5	3.62
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	18	3.61
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	12	3.59
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	11	3.48
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	11	3.46
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	11	3.46
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	11	3.46
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	1	3.45
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	11	3.42
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	11	3.42
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	11	3.42
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	7	3.4
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	7	3.4
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	7	3.4
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	12	3.38
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	14	3.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	14	3.37
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	14	3.37
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	11	3.36
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	1	3.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	11	3.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	11	3.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	11	3.35
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	18	3.3
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	13	3.23
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	13	3.23
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	13	3.23
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	19	3.17
(2,2164)	1:32:A:LYS:HE2	1:29:A:SER:H	4	3.16
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	7	3.16
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	10	3.15
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	12	3.14
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	4	3.12
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	6	3.09
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	11	3.08
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	11	3.08
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	11	3.08
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	10	3.03
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	8	3.02
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	13	3.01
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	13	3.0
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	13	3.0
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	13	3.0
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	16	2.99
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	16	2.99
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	16	2.99
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	6	2.98
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	6	2.98
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	6	2.98
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	11	2.96
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	11	2.96
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	11	2.96
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	2	2.91
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	2	2.91
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	2	2.91
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	20	2.91
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	20	2.91
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	20	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	10	2.89
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	7	2.88
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	7	2.88
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	7	2.88
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	5	2.87
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	2	2.86
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	2	2.86
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	2	2.86
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	12	2.86
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	12	2.86
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	12	2.86
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	12	2.84
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	12	2.84
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	12	2.84
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	18	2.83
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	10	2.83
(2,386)	1:50:A:LEU:HA	1:54:A:THR:HB	6	2.81
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	13	2.8
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	13	2.8
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	13	2.8
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	2	2.8
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	17	2.78
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	19	2.78
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	6	2.77
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	6	2.77
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	6	2.77
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	17	2.77
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	17	2.77
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	17	2.77
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	5	2.77
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	13	2.75
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	13	2.75
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	13	2.75
(2,135)	1:29:A:SER:HB2	1:32:A:LYS:HE2	6	2.75
(2,131)	1:29:A:SER:HA	1:32:A:LYS:HE2	4	2.75
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	14	2.74
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	14	2.74
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	14	2.74
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	3	2.73
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	3	2.73
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	3	2.73
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	18	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	18	2.72
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	18	2.72
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	18	2.72
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	1	2.71
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	3	2.7
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	15	2.7
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	15	2.7
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	15	2.7
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	7	2.7
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	19	2.69
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	19	2.69
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	19	2.69
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	2	2.68
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	2	2.68
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	2	2.68
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	16	2.67
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	16	2.67
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	16	2.67
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	8	2.67
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	8	2.67
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	8	2.67
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	18	2.67
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	12	2.66
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	12	2.66
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	12	2.66
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	16	2.66
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	15	2.65
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	15	2.65
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	15	2.65
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	1	2.65
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	1	2.65
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	1	2.65
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	14	2.65
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	14	2.65
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	14	2.65
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	17	2.63
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	17	2.63
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	17	2.63
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	6	2.63
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	6	2.63
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	6	2.63
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	18	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	14	2.62
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	14	2.62
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	14	2.62
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	20	2.62
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	15	2.61
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	15	2.61
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	15	2.61
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	20	2.61
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	18	2.6
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	18	2.6
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	18	2.6
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	5	2.6
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	14	2.6
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	5	2.59
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	2	2.59
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	2	2.59
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	2	2.59
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	3	2.59
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	3	2.59
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	3	2.59
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	15	2.59
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	15	2.59
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	15	2.59
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	3	2.57
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	3	2.57
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	3	2.57
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	11	2.57
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	17	2.57
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	3	2.57
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	11	2.56
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	11	2.56
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	11	2.56
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	17	2.56
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	17	2.56
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	17	2.56
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	20	2.56
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	20	2.56
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	20	2.56
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	20	2.56
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	20	2.56
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	20	2.56
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	20	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	20	2.56
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	20	2.56
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	11	2.56
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	11	2.56
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	11	2.56
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	6	2.55
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	6	2.55
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	6	2.55
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	4	2.55
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	4	2.55
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	4	2.55
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	2	2.55
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	2	2.55
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	2	2.55
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	6	2.55
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	6	2.54
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	6	2.54
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	6	2.54
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	18	2.54
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	18	2.54
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	18	2.54
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	19	2.54
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	3	2.53
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	3	2.53
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	3	2.53
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	10	2.53
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	10	2.53
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	10	2.53
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	16	2.53
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	16	2.53
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	16	2.53
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	9	2.52
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	9	2.52
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	9	2.52
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	6	2.52
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	1	2.51
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	9	2.51
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	9	2.51
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	9	2.51
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	10	2.51
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	10	2.51
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	10	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	14	2.51
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	14	2.51
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	14	2.51
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	4	2.49
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	4	2.49
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	4	2.49
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	16	2.49
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	16	2.49
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	16	2.49
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	10	2.49
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	10	2.49
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	10	2.49
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	19	2.48
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	19	2.48
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	19	2.48
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	13	2.47
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	13	2.47
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	13	2.47
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	14	2.47
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	14	2.47
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	14	2.47
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	14	2.47
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	20	2.46
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	16	2.46
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	16	2.46
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	16	2.46
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	18	2.46
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	18	2.46
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	18	2.46
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	16	2.45
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	16	2.45
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	16	2.45
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	13	2.45
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	13	2.45
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	13	2.45
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	20	2.45
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	20	2.45
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	20	2.45
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	8	2.45
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	8	2.45
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	8	2.45
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	13	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	18	2.44
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	18	2.44
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	18	2.44
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	6	2.44
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	6	2.44
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	6	2.44
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	13	2.44
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	13	2.44
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	13	2.44
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	12	2.43
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	16	2.42
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	16	2.42
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	16	2.42
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	3	2.42
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	17	2.42
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	2.42
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	2.42
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	2.42
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	19	2.41
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	19	2.41
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	19	2.41
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	9	2.41
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	13	2.41
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	9	2.4
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	19	2.39
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	14	2.39
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	1	2.39
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	1	2.39
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	1	2.39
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	5	2.39
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	5	2.39
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	5	2.39
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	7	2.39
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	7	2.39
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	7	2.39
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	9	2.39
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	9	2.39
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	9	2.39
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	9	2.39
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	9	2.39
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	9	2.39
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	20	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	20	2.39
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	20	2.39
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	2	2.38
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	2	2.38
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	2	2.38
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	14	2.38
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	14	2.38
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	14	2.38
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	17	2.38
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	12	2.38
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	12	2.38
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	12	2.38
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	4	2.37
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	4	2.37
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	4	2.37
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	19	2.37
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	19	2.37
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	19	2.37
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	1	2.37
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	1	2.37
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	1	2.37
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	6	2.37
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	19	2.37
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	5	2.36
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	5	2.36
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	5	2.36
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	11	2.36
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	9	2.36
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	4	2.36
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	13	2.36
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	6	2.36
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	6	2.36
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	6	2.36
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	13	2.35
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	13	2.35
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	13	2.35
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	17	2.35
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	17	2.35
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	17	2.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	7	2.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	7	2.35
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	7	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	4	2.35
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	11	2.35
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	19	2.35
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	9	2.34
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	9	2.34
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	9	2.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	15	2.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	15	2.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	15	2.34
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	8	2.33
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	18	2.32
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	12	2.32
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	12	2.32
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	12	2.32
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	9	2.32
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	9	2.32
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	9	2.32
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	1	2.32
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	1	2.32
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	1	2.32
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	2	2.32
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	2	2.32
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	2	2.32
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	12	2.31
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	12	2.31
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	12	2.31
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	15	2.31
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	15	2.31
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	15	2.31
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	15	2.3
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	2	2.3
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	2	2.3
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	2	2.3
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	10	2.3
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	10	2.3
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	10	2.3
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	15	2.3
(1,1576)	1:114:A:TRP:H	1:75:A:LEU:HD21	11	2.3
(1,1576)	1:114:A:TRP:H	1:75:A:LEU:HD22	11	2.3
(1,1576)	1:114:A:TRP:H	1:75:A:LEU:HD23	11	2.3
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	15	2.29
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	15	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	15	2.29
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	17	2.29
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	20	2.29
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	20	2.29
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	3	2.29
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	3	2.29
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	3	2.29
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	5	2.28
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	7	2.28
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	7	2.28
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	7	2.28
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	7	2.28
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	7	2.28
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	7	2.28
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	10	2.27
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	10	2.27
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	10	2.27
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	20	2.27
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	1	2.27
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	1	2.27
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	1	2.27
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	20	2.27
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	20	2.27
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	20	2.27
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	2	2.27
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	2	2.27
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	2	2.27
(1,689)	1:74:A:VAL:HG11	1:76:A:LEU:HB2	6	2.27
(1,689)	1:74:A:VAL:HG12	1:76:A:LEU:HB2	6	2.27
(1,689)	1:74:A:VAL:HG13	1:76:A:LEU:HB2	6	2.27
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	12	2.27
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	12	2.27
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	12	2.27
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	6	2.26
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	18	2.26
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	3	2.26
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	3	2.26
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	3	2.26
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	2	2.26
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	2	2.26
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	2	2.26
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	19	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	19	2.26
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	19	2.26
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	18	2.26
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	13	2.25
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	13	2.25
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	13	2.25
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	11	2.25
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	11	2.25
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	11	2.25
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	16	2.25
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	20	2.25
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	20	2.25
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	20	2.25
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	12	2.25
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	12	2.25
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	12	2.25
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	6	2.24
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	4	2.24
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	15	2.23
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	17	2.23
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	17	2.23
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	17	2.23
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	13	2.23
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	13	2.23
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	13	2.23
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	7	2.23
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	18	2.23
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	11	2.23
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	18	2.22
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	1	2.22
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	18	2.22
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	18	2.22
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	18	2.22
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	10	2.22
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	10	2.22
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	10	2.22
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	11	2.22
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	11	2.22
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	11	2.22
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	7	2.21
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	7	2.21
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	7	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	11	2.21
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	1	2.21
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	19	2.21
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	4	2.21
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	4	2.21
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	4	2.21
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	6	2.21
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	6	2.21
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	6	2.21
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	14	2.2
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	7	2.2
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	7	2.2
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	4	2.2
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	3	2.2
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	3	2.2
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	3	2.2
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	9	2.2
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	15	2.2
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	14	2.2
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	10	2.2
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	11	2.19
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	11	2.19
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	11	2.19
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	16	2.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	18	2.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	18	2.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	18	2.19
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	17	2.19
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	17	2.19
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	17	2.19
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	19	2.19
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	19	2.19
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	19	2.19
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	11	2.19
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	11	2.19
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	11	2.19
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	11	2.19
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	11	2.19
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	11	2.19
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	19	2.18
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	19	2.18
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	19	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	14	2.18
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	1	2.18
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	1	2.18
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	1	2.18
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	19	2.18
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	19	2.18
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	19	2.18
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	19	2.18
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	2	2.18
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	2	2.18
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	2	2.18
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	13	2.18
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	13	2.18
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	13	2.18
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	12	2.18
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	12	2.18
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	12	2.18
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	13	2.18
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	12	2.18
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	12	2.18
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	12	2.18
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	6	2.17
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	6	2.17
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	6	2.17
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	18	2.17
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	18	2.17
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	9	2.17
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	9	2.17
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	9	2.17
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	14	2.17
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	14	2.17
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	14	2.17
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	12	2.17
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	12	2.17
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	12	2.17
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	18	2.17
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	18	2.17
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	18	2.17
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	2.17
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	7	2.17
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	7	2.17
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	7	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	14	2.17
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	2	2.17
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	8	2.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	8	2.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	8	2.16
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	4	2.16
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	19	2.16
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	19	2.16
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	19	2.16
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	3	2.16
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	16	2.16
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	14	2.15
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	14	2.15
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	14	2.15
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	16	2.15
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	20	2.15
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	14	2.15
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	14	2.15
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	14	2.15
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	7	2.14
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	3	2.14
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	3	2.14
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	8	2.14
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	8	2.14
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	8	2.14
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	8	2.14
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	8	2.14
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	8	2.14
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	8	2.14
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	8	2.14
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	8	2.14
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	6	2.14
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	7	2.14
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	12	2.14
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	12	2.14
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	12	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	6	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	6	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	6	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	7	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	7	2.14
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	7	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	2	2.14
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	15	2.14
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	15	2.14
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	15	2.14
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	8	2.14
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	10	2.14
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	15	2.13
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	18	2.13
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	11	2.13
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	11	2.13
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	11	2.13
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	8	2.13
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	14	2.13
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	2	2.13
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	20	2.12
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	9	2.12
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	11	2.12
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	7	2.12
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	7	2.12
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	7	2.12
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	8	2.12
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	8	2.12
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	8	2.12
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	17	2.12
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	17	2.12
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	17	2.12
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	5	2.12
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	5	2.12
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	5	2.12
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	5	2.12
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	5	2.12
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	5	2.12
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	3	2.12
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	3	2.12
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	3	2.12
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	16	2.12
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	16	2.12
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	16	2.12
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	13	2.12
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	19	2.12
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	19	2.12
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	19	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	18	2.11
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	18	2.11
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	18	2.11
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	14	2.11
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	14	2.11
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	18	2.11
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	2	2.11
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	2	2.11
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	2	2.11
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	6	2.11
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	6	2.11
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	6	2.11
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	4	2.11
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	4	2.11
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	4	2.11
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	7	2.11
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	7	2.11
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	7	2.11
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	1	2.11
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	1	2.11
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	1	2.11
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	13	2.11
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	13	2.11
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	13	2.11
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	10	2.11
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	10	2.11
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	10	2.11
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	6	2.11
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	4	2.1
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	4	2.1
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	4	2.1
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	15	2.1
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	7	2.1
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	20	2.1
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	2	2.1
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	2	2.1
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	2	2.1
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	4	2.1
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	4	2.1
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	4	2.1
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	10	2.1
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	10	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	10	2.1
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	15	2.1
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	15	2.1
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	15	2.1
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	16	2.1
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	16	2.1
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	16	2.1
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	7	2.1
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	7	2.1
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	7	2.1
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	10	2.1
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	16	2.1
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	15	2.09
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	5	2.09
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	15	2.09
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	12	2.09
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	3	2.09
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	3	2.09
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	3	2.09
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	18	2.09
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	18	2.09
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	18	2.09
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	2	2.09
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	2	2.09
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	2	2.09
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	9	2.09
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	9	2.09
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	9	2.09
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	20	2.09
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	20	2.09
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	20	2.09
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	3	2.09
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	3	2.09
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	3	2.09
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	11	2.09
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	11	2.09
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	11	2.09
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	14	2.09
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	14	2.09
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	14	2.09
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	14	2.09
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	14	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	14	2.09
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	14	2.09
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	14	2.09
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	14	2.09
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	4	2.09
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	4	2.09
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	4	2.09
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	10	2.09
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	1	2.09
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	1	2.09
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	1	2.09
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	1	2.09
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	1	2.09
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	1	2.09
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	1	2.09
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	1	2.09
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	1	2.09
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	11	2.08
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	11	2.08
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	11	2.08
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	9	2.08
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	9	2.08
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	9	2.08
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	13	2.08
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	13	2.08
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	13	2.08
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	4	2.08
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	19	2.08
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	19	2.08
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	19	2.08
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	8	2.08
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	9	2.08
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	6	2.08
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	6	2.08
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	6	2.08
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	17	2.07
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	9	2.07
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	9	2.07
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	16	2.07
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	15	2.07
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	5	2.07
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	5	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	5	2.07
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	16	2.07
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	16	2.07
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	16	2.07
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	16	2.07
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	18	2.07
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	18	2.07
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	18	2.07
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	7	2.07
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	3	2.07
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	11	2.06
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	11	2.06
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	11	2.06
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	11	2.06
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	2	2.06
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	14	2.06
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	20	2.06
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	10	2.06
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	10	2.06
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	10	2.06
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	14	2.06
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	10	2.06
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	10	2.06
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	10	2.06
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	20	2.06
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	20	2.06
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	20	2.06
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	12	2.06
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	12	2.06
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	12	2.06
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	6	2.06
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	7	2.06
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	3	2.06
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	18	2.05
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	6	2.05
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	16	2.05
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	16	2.05
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	16	2.05
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	18	2.05
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	18	2.05
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	18	2.05
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	5	2.05
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	5	2.05
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	9	2.05
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	9	2.05
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	9	2.05
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	15	2.05
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	15	2.05
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	15	2.05
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	16	2.05
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	16	2.05
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	16	2.05
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	17	2.05
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	17	2.05
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	17	2.05
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	18	2.05
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	18	2.05
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	18	2.05
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	16	2.05
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	16	2.05
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	16	2.05
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	8	2.05
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	1	2.05
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	20	2.05
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	20	2.05
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	20	2.05
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	5	2.04
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	10	2.04
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	10	2.04
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	10	2.04
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	17	2.04
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	17	2.04
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	17	2.04
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	14	2.04
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	9	2.04
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	2	2.04
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	20	2.04
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	20	2.04
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	20	2.04
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	18	2.04
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	18	2.04
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	18	2.04
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	5	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	5	2.04
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	5	2.04
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	9	2.04
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	9	2.04
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	9	2.04
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	19	2.04
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	2	2.04
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	9	2.04
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	9	2.04
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	9	2.04
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	17	2.04
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	17	2.04
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	17	2.04
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	16	2.03
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	14	2.03
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	9	2.03
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	20	2.03
(2,928)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	2.03
(2,928)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	2.03
(2,928)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	2.03
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	20	2.03
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	20	2.03
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	20	2.03
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	4	2.03
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	4	2.03
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	4	2.03
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	7	2.03
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	7	2.03
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	7	2.03
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	2	2.03
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	2	2.03
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	2	2.03
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	9	2.03
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	12	2.03
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	11	2.03
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	16	2.03
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	20	2.02
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	20	2.02
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	20	2.02
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	14	2.02
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	14	2.02
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	14	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	2	2.02
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	2	2.02
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	6	2.02
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	6	2.02
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	3	2.02
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	7	2.02
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	20	2.02
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	20	2.02
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	20	2.02
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	10	2.02
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	17	2.02
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	17	2.02
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	17	2.02
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	17	2.02
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	2	2.02
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	2	2.02
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	2	2.02
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	4	2.02
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	4	2.02
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	4	2.02
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	14	2.02
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	11	2.02
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	15	2.02
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	18	2.01
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	18	2.01
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	18	2.01
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	4	2.01
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	4	2.01
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	4	2.01
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	11	2.01
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	11	2.01
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	2	2.01
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	11	2.01
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	20	2.01
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	18	2.01
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	18	2.01
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	18	2.01
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	18	2.01
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	18	2.01
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	18	2.01
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	18	2.01
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	18	2.01
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	1	2.01
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	8	2.01
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	8	2.01
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	8	2.01
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	18	2.01
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	18	2.01
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	18	2.01
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	11	2.01
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	10	2.01
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	1	2.01
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	4	2.01
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	5	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	5	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	5	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	5	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	17	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	17	2.01
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	17	2.01
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	6	2.01
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	11	2.0
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	4	2.0
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	16	2.0
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	13	2.0
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	18	2.0
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	18	2.0
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	18	2.0
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	19	2.0
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	19	2.0
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	19	2.0
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	13	2.0
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	13	2.0
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	13	2.0
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	3	2.0
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	4	2.0
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	4	2.0
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	4	2.0
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	2	2.0
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	2	2.0
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	2	2.0
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	17	1.99
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	17	1.99
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	20	1.99
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	20	1.99
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	20	1.99
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	19	1.99
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	3	1.99
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	11	1.99
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	11	1.99
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	11	1.99
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	11	1.99
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	11	1.99
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	11	1.99
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	11	1.99
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	11	1.99
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	11	1.99
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	11	1.99
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	11	1.99
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	11	1.99
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	3	1.99
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	3	1.99
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	3	1.99
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	16	1.99
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	11	1.99
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	11	1.99
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	11	1.99
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	20	1.99
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	18	1.98
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	18	1.98
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	18	1.98
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	3	1.98
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	5	1.98
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	3	1.98
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	9	1.98
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	9	1.98
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	9	1.98
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	8	1.98
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	18	1.98
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	2	1.98
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	14	1.98
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	14	1.98
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	14	1.98
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	9	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	9	1.98
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	9	1.98
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	14	1.98
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	13	1.98
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	18	1.98
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	2	1.98
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	2	1.98
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	2	1.98
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	13	1.98
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	13	1.98
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	13	1.98
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	13	1.97
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	13	1.97
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	13	1.97
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	5	1.97
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	5	1.97
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	5	1.97
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	16	1.97
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	3	1.97
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	3	1.97
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	3	1.97
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	12	1.97
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	12	1.97
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	7	1.97
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	7	1.97
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	7	1.97
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	3	1.97
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	3	1.97
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	3	1.97
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	8	1.97
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	8	1.97
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	8	1.97
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	13	1.97
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	19	1.97
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	10	1.97
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	10	1.97
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	10	1.97
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	1	1.97
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	1	1.97
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	1	1.97
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	5	1.97
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	5	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	5	1.97
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	15	1.96
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	15	1.96
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	15	1.96
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	16	1.96
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	16	1.96
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	15	1.96
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	15	1.96
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	15	1.96
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	20	1.96
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	20	1.96
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	20	1.96
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	1	1.96
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	1	1.96
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	1	1.96
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	18	1.96
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	18	1.96
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	18	1.96
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	15	1.96
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	15	1.96
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	15	1.96
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	15	1.96
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	1	1.96
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	1	1.96
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	1	1.96
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	12	1.96
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	5	1.95
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	5	1.95
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	5	1.95
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	15	1.95
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	17	1.95
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	6	1.95
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	13	1.95
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	20	1.95
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	20	1.95
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	20	1.95
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	10	1.95
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	10	1.95
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	10	1.95
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	16	1.95
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	16	1.95
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	16	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	11	1.95
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	4	1.95
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	13	1.95
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	13	1.95
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	13	1.95
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	13	1.95
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	13	1.95
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	13	1.95
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	13	1.95
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	13	1.95
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	13	1.95
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	12	1.95
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	12	1.95
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	12	1.95
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	9	1.95
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	9	1.94
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	9	1.94
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	9	1.94
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	20	1.94
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	11	1.94
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	11	1.94
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	11	1.94
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	3	1.94
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	8	1.94
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	8	1.94
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	8	1.94
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	9	1.94
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	9	1.94
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	9	1.94
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	17	1.94
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	17	1.94
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	17	1.94
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	19	1.94
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	19	1.94
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	19	1.94
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	8	1.94
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	8	1.94
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	8	1.94
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	7	1.94
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	7	1.94
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	7	1.94
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	2	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	2	1.94
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	2	1.94
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	18	1.94
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	17	1.94
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	7	1.94
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	3	1.94
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	20	1.93
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	20	1.93
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	20	1.93
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	5	1.93
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	11	1.93
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	6	1.93
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	6	1.93
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	6	1.93
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	1	1.93
(2,1937)	1:57:A:LYS:HD2	1:57:A:LYS:H	19	1.93
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	8	1.93
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	8	1.93
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	8	1.93
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	13	1.93
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	13	1.93
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	13	1.93
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	4	1.93
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	4	1.93
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	4	1.93
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	8	1.93
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	8	1.93
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	8	1.93
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	17	1.93
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	15	1.92
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	15	1.92
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	15	1.92
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	17	1.92
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	17	1.92
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	7	1.92
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	13	1.92
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	13	1.92
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	13	1.92
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	2	1.92
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	2	1.92
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	2	1.92
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	3	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	3	1.92
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	3	1.92
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	10	1.92
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	10	1.92
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	10	1.92
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	8	1.92
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	8	1.92
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	8	1.92
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	3	1.92
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	3	1.92
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	3	1.92
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	6	1.92
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	6	1.92
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	6	1.92
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	20	1.92
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	20	1.92
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	20	1.92
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	15	1.92
(2,487)	1:62:A:ILE:H	1:62:A:ILE:HG13	3	1.92
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	14	1.92
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	14	1.92
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	14	1.92
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	16	1.91
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	16	1.91
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	15	1.91
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	15	1.91
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	15	1.91
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	7	1.91
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	7	1.91
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	7	1.91
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	5	1.91
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	13	1.91
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	8	1.91
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	8	1.91
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	8	1.91
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	17	1.91
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	17	1.91
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	17	1.91
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	8	1.91
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	20	1.91
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	3	1.91
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	3	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	3	1.91
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	3	1.91
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	3	1.91
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	3	1.91
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	3	1.91
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	3	1.91
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	3	1.91
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	16	1.9
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	5	1.9
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	5	1.9
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	17	1.9
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	10	1.9
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	10	1.9
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	10	1.9
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	12	1.9
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	9	1.9
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	7	1.9
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	13	1.9
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	3	1.9
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	3	1.9
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	3	1.9
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	20	1.9
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	12	1.9
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	12	1.9
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	12	1.9
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	2	1.9
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	17	1.9
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	8	1.9
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	8	1.9
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	8	1.9
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	10	1.9
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	10	1.9
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	10	1.9
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	2	1.9
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	2	1.9
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	2	1.9
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	16	1.9
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	13	1.9
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	2	1.9
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD11	20	1.9
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD12	20	1.9
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD13	20	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD11	20	1.9
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD12	20	1.9
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD13	20	1.9
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD11	20	1.9
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD12	20	1.9
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD13	20	1.9
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	20	1.89
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	5	1.89
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	11	1.89
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	4	1.89
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	4	1.89
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	7	1.89
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	12	1.89
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	16	1.89
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	18	1.89
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	2	1.89
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	2	1.89
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	2	1.89
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	9	1.89
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	9	1.89
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	9	1.89
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	11	1.89
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	16	1.89
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD21	2	1.89
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD22	2	1.89
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD23	2	1.89
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD21	2	1.89
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD22	2	1.89
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD23	2	1.89
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD21	2	1.89
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD22	2	1.89
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD23	2	1.89
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	19	1.88
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	7	1.88
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	7	1.88
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	7	1.88
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	16	1.88
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	8	1.88
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	19	1.88
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	19	1.88
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	19	1.88
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	2	1.88
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	2	1.88
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	10	1.88
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	10	1.88
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	10	1.88
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	20	1.88
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	20	1.88
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	20	1.88
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	1	1.88
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	4	1.88
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	1	1.88
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	1	1.88
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	1	1.88
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	16	1.88
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	16	1.88
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	16	1.88
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	15	1.88
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	15	1.88
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	15	1.88
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	15	1.88
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	15	1.88
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	15	1.88
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	15	1.88
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	15	1.88
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	15	1.88
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	3	1.88
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	5	1.88
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	8	1.88
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	15	1.88
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	7	1.88
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	7	1.88
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	7	1.88
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	2	1.88
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	10	1.88
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	8	1.87
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	19	1.87
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	19	1.87
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	13	1.87
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	3	1.87
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	8	1.87
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	15	1.87
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	16	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	18	1.87
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	18	1.87
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	18	1.87
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	20	1.87
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	11	1.87
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	11	1.87
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	11	1.87
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	14	1.87
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	14	1.87
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	14	1.87
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	14	1.87
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	14	1.87
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	14	1.87
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	14	1.87
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	14	1.87
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	14	1.87
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	11	1.87
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	11	1.87
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	11	1.87
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	7	1.87
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	7	1.87
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	7	1.87
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	9	1.87
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	11	1.87
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	4	1.87
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	4	1.87
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	4	1.87
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	20	1.87
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	2	1.87
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	8	1.87
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	18	1.87
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	18	1.87
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	18	1.87
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	13	1.87
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	13	1.87
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	13	1.87
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	17	1.86
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	15	1.86
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	15	1.86
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	15	1.86
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	15	1.86
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	19	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	1	1.86
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	17	1.86
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	4	1.86
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	4	1.86
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	4	1.86
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	4	1.86
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	1	1.86
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	1	1.86
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	1	1.86
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	6	1.86
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	6	1.86
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	6	1.86
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	7	1.86
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	7	1.86
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	7	1.86
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	13	1.86
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	13	1.86
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	13	1.86
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	10	1.86
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	12	1.86
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	13	1.86
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	13	1.86
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	13	1.86
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	13	1.86
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	13	1.86
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	13	1.86
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	13	1.86
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	13	1.86
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	13	1.86
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	13	1.86
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	4	1.86
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	12	1.86
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	10	1.86
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	10	1.86
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	10	1.86
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	17	1.86
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	3	1.85
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	15	1.85
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	15	1.85
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	19	1.85
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	19	1.85
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	6	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	6	1.85
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	6	1.85
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	8	1.85
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	18	1.85
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	3	1.85
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	3	1.85
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	3	1.85
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	3	1.85
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	3	1.85
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	3	1.85
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	3	1.85
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	3	1.85
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	3	1.85
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	13	1.85
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	13	1.85
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	13	1.85
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	17	1.85
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	6	1.84
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	6	1.84
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	6	1.84
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	18	1.84
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	19	1.84
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	18	1.84
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	3	1.84
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	8	1.84
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	18	1.84
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	18	1.84
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	18	1.84
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	7	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	5	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	5	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	5	1.84
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	5	1.84
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	5	1.84
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	5	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	5	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	5	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	5	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	9	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	9	1.84
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	9	1.84
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	9	1.84
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	9	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	9	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	9	1.84
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	9	1.84
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	3	1.84
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	3	1.84
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	3	1.84
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	18	1.84
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	18	1.84
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	18	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	8	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	8	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	8	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	17	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	17	1.84
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	17	1.84
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	6	1.83
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	6	1.83
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	6	1.83
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	2	1.83
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	9	1.83
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	20	1.83
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	20	1.83
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	20	1.83
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	14	1.83
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	13	1.83
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	14	1.83
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	14	1.83
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	2	1.83
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	8	1.83
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	8	1.83
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	8	1.83
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	12	1.83
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	12	1.83
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	12	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	2	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	2	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	2	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	2	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	2	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	2	1.83
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	2	1.83
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	2	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	4	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	4	1.83
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	4	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	4	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	4	1.83
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	4	1.83
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	4	1.83
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	4	1.83
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	4	1.83
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	20	1.83
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	20	1.83
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	20	1.83
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	20	1.83
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	17	1.83
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	8	1.83
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	8	1.83
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	8	1.83
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	20	1.83
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	20	1.83
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	20	1.83
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	9	1.82
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	2	1.82
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	16	1.82
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	16	1.82
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	16	1.82
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	9	1.82
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	9	1.82
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	9	1.82
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	13	1.82
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	15	1.82
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	2	1.82
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	4	1.82
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	1	1.82
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	8	1.82
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	8	1.82
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	8	1.82
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	14	1.82
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	5	1.82
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	5	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	5	1.82
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	4	1.82
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	4	1.82
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	4	1.82
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	18	1.82
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	18	1.82
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	18	1.82
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	12	1.82
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	12	1.82
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	12	1.82
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	2	1.82
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	2	1.82
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	2	1.82
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	7	1.82
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	11	1.81
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	3	1.81
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	3	1.81
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	3	1.81
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	20	1.81
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	20	1.81
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	20	1.81
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	4	1.81
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	4	1.81
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	4	1.81
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	12	1.81
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	17	1.81
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	7	1.81
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	4	1.81
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	12	1.81
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	9	1.81
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	20	1.81
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	9	1.81
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	15	1.81
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	19	1.81
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	18	1.81
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	18	1.81
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	18	1.81
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	8	1.81
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	8	1.81
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	8	1.81
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	8	1.81
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	1	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	6	1.81
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	15	1.81
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	9	1.81
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	10	1.81
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	18	1.81
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	18	1.81
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	18	1.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	13	1.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	13	1.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	13	1.81
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	12	1.81
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	11	1.8
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	3	1.8
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	12	1.8
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	5	1.8
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	8	1.8
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	12	1.8
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	6	1.8
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	11	1.8
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	2	1.8
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	2	1.8
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	5	1.8
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	2	1.8
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	5	1.8
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	5	1.8
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	5	1.8
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	1	1.8
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	1	1.8
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	1	1.8
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	2	1.8
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	2	1.8
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	2	1.8
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	20	1.8
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	20	1.8
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	20	1.8
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	4	1.8
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	17	1.8
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	18	1.8
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	18	1.8
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	18	1.8
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	18	1.8
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	18	1.8
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	18	1.8
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	18	1.8
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	18	1.8
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	18	1.8
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	17	1.8
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	17	1.8
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	17	1.8
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	7	1.8
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	7	1.8
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	7	1.8
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	5	1.8
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	15	1.8
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	4	1.8
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	5	1.8
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	9	1.8
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	16	1.8
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	20	1.8
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	1	1.8
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	1	1.8
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	1	1.8
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	5	1.8
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	5	1.8
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	5	1.8
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	9	1.8
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	9	1.8
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	9	1.8
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	13	1.8
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	13	1.8
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	13	1.8
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	19	1.8
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	19	1.8
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	19	1.8
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	17	1.79
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	4	1.79
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	13	1.79
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	4	1.79
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	4	1.79
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	4	1.79
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	14	1.79
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	6	1.79
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	18	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1514)	1:24:A:LEU:HD21	1:48:A:TYR:HB2	18	1.79
(2,1514)	1:24:A:LEU:HD22	1:48:A:TYR:HB2	18	1.79
(2,1514)	1:24:A:LEU:HD23	1:48:A:TYR:HB2	18	1.79
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	15	1.79
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	1	1.79
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	14	1.79
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	14	1.79
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	6	1.79
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	17	1.79
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	8	1.79
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	1	1.79
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	16	1.79
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	16	1.79
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	16	1.79
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	11	1.79
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	11	1.79
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	11	1.79
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	1	1.79
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	18	1.79
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	2	1.79
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	6	1.79
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	5	1.79
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	1	1.78
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	9	1.78
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	12	1.78
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	12	1.78
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	12	1.78
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	10	1.78
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	5	1.78
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	10	1.78
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	18	1.78
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	10	1.78
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	4	1.78
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	4	1.78
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	4	1.78
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	10	1.78
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	11	1.78
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	11	1.78
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	11	1.78
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	15	1.78
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	20	1.78
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	20	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	20	1.78
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	20	1.78
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	20	1.78
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	20	1.78
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	20	1.78
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	20	1.78
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	20	1.78
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	17	1.78
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	17	1.78
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	17	1.78
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	13	1.78
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	13	1.78
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	13	1.78
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	3	1.78
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	11	1.78
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	14	1.78
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	15	1.78
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	8	1.78
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	8	1.78
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	8	1.78
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	13	1.77
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	5	1.77
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	14	1.77
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	14	1.77
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	14	1.77
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	1	1.77
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	1	1.77
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	1	1.77
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	13	1.77
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	13	1.77
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	15	1.77
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	15	1.77
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	15	1.77
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	10	1.77
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	20	1.77
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	11	1.77
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	11	1.77
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	11	1.77
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	12	1.77
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	17	1.77
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	7	1.77
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	7	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	7	1.77
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	7	1.77
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	18	1.77
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	18	1.77
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	18	1.77
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	12	1.77
(2,886)	1:85:A:VAL:HG21	1:85:A:VAL:H	13	1.77
(2,886)	1:85:A:VAL:HG22	1:85:A:VAL:H	13	1.77
(2,886)	1:85:A:VAL:HG23	1:85:A:VAL:H	13	1.77
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	14	1.77
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	17	1.77
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	14	1.77
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	14	1.77
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	1	1.77
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	1	1.77
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	1	1.77
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	11	1.77
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	11	1.77
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	11	1.77
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	4	1.76
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	13	1.76
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	18	1.76
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	5	1.76
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	4	1.76
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	11	1.76
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	8	1.76
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	7	1.76
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	20	1.76
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	1	1.76
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	12	1.76
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	16	1.76
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	10	1.76
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	9	1.76
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	16	1.76
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	12	1.76
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	11	1.76
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	9	1.76
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	9	1.76
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	16	1.76
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	16	1.76
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	16	1.76
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	12	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	12	1.76
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	12	1.76
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	12	1.76
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	1	1.76
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	17	1.76
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	17	1.76
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	17	1.76
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	18	1.76
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	18	1.76
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	18	1.76
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	5	1.75
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	5	1.75
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	1	1.75
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	2	1.75
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	4	1.75
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	4	1.75
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	4	1.75
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	18	1.75
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	7	1.75
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	10	1.75
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	11	1.75
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	16	1.75
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	1	1.75
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	15	1.75
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	8	1.75
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	8	1.75
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	8	1.75
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	8	1.75
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	8	1.75
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	8	1.75
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	8	1.75
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	8	1.75
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	8	1.75
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	16	1.75
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	16	1.75
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	16	1.75
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	3	1.75
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	6	1.75
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	15	1.75
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	5	1.75
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	5	1.75
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	20	1.75
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	16	1.75
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	4	1.74
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	12	1.74
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	3	1.74
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	6	1.74
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	6	1.74
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	6	1.74
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	6	1.74
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	20	1.74
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	9	1.74
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	13	1.74
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	13	1.74
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	13	1.74
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	4	1.74
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	13	1.74
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	3	1.74
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	20	1.74
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	2	1.74
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	9	1.74
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	9	1.74
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	9	1.74
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	19	1.74
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	9	1.74
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	20	1.74
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	14	1.74
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	14	1.74
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	14	1.74
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	14	1.74
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	14	1.74
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	14	1.74
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	6	1.74
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	19	1.74
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	11	1.74
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	8	1.74
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	15	1.74
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	9	1.74
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	9	1.74
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	9	1.74
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	14	1.74
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	17	1.74
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	18	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	18	1.74
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	18	1.74
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	20	1.74
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	20	1.74
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	20	1.74
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	6	1.74
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	16	1.73
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	17	1.73
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	2	1.73
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	2	1.73
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	2	1.73
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	7	1.73
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	19	1.73
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	19	1.73
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	19	1.73
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	8	1.73
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	18	1.73
(2,1514)	1:24:A:LEU:HD21	1:48:A:TYR:HB2	12	1.73
(2,1514)	1:24:A:LEU:HD22	1:48:A:TYR:HB2	12	1.73
(2,1514)	1:24:A:LEU:HD23	1:48:A:TYR:HB2	12	1.73
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	11	1.73
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	11	1.73
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	11	1.73
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	18	1.73
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	16	1.73
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	3	1.73
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	20	1.73
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	4	1.73
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	4	1.73
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	4	1.73
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	8	1.73
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	5	1.73
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	14	1.73
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	14	1.73
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	14	1.73
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	15	1.73
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	5	1.73
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	15	1.73
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	15	1.73
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	15	1.73
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	15	1.73
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	15	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	15	1.73
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	15	1.73
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	15	1.73
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	15	1.73
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	15	1.73
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	4	1.73
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	9	1.73
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	19	1.73
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	16	1.73
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	8	1.73
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	20	1.73
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	20	1.73
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	20	1.73
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	8	1.73
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	4	1.73
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	6	1.73
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	6	1.73
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	6	1.73
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	2	1.73
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	8	1.73
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	2	1.73
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	8	1.72
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	4	1.72
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	4	1.72
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	10	1.72
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	10	1.72
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	1	1.72
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	1	1.72
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	1	1.72
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	13	1.72
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	12	1.72
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	14	1.72
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	14	1.72
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	14	1.72
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	11	1.72
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	18	1.72
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	5	1.72
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	5	1.72
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	8	1.72
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	17	1.72
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	8	1.72
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	8	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	13	1.72
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	18	1.72
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	16	1.72
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	17	1.72
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	7	1.72
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	7	1.72
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	7	1.72
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	7	1.72
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	7	1.72
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	7	1.72
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	7	1.72
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	7	1.72
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	7	1.72
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	3	1.72
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	11	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	5	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	5	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	5	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	10	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	10	1.72
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	10	1.72
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	4	1.72
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	12	1.72
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	3	1.72
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	1	1.72
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	1	1.72
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	1	1.72
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	1	1.72
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	4	1.72
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	6	1.72
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	3	1.72
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	3	1.72
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	3	1.72
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	6	1.71
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	2	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	15	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	15	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	15	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	18	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	18	1.71
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	18	1.71
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	4	1.71
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	4	1.71
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	8	1.71
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	8	1.71
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	8	1.71
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	10	1.71
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	10	1.71
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	10	1.71
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	14	1.71
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	14	1.71
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	17	1.71
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	19	1.71
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	13	1.71
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	16	1.71
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	6	1.71
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	4	1.71
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	7	1.71
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	10	1.71
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	9	1.71
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	9	1.71
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	9	1.71
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	7	1.71
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	11	1.71
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	11	1.71
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	11	1.71
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	8	1.71
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	10	1.71
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	11	1.71
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	17	1.71
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	17	1.71
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	17	1.71
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	5	1.71
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	5	1.71
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	5	1.71
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	17	1.71
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	14	1.7
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	1	1.7
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	1	1.7
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	1	1.7
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	14	1.7
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	7	1.7
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	13	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	13	1.7
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	13	1.7
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	18	1.7
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	18	1.7
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	18	1.7
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	20	1.7
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	1	1.7
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	19	1.7
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	17	1.7
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	2	1.7
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	11	1.7
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	1	1.7
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	1	1.7
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	1	1.7
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	3	1.7
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	3	1.7
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	3	1.7
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	5	1.7
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	4	1.7
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	11	1.7
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	11	1.7
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	11	1.7
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	2	1.7
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	3	1.7
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	4	1.7
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	1	1.7
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	7	1.7
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	11	1.7
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	14	1.7
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	9	1.7
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	3	1.7
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	19	1.7
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	19	1.7
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	19	1.7
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	4	1.7
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	4	1.7
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	4	1.7
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	1	1.7
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	7	1.7
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	13	1.7
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	20	1.7
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	16	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	16	1.7
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	16	1.7
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	2	1.7
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	6	1.7
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	4	1.7
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	4	1.7
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	4	1.7
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	3	1.7
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	11	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	1	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	1	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	1	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	2	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	2	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	2	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	3	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	3	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	3	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	4	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	4	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	4	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	5	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	5	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	5	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	6	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	6	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	6	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	8	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	8	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	8	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	9	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	9	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	9	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	10	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	10	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	10	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	11	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	11	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	11	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	12	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	12	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	13	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	13	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	13	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	14	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	14	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	14	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	15	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	15	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	15	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	16	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	16	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	16	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	17	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	17	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	17	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	18	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	18	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	18	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	19	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	19	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	19	1.7
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	20	1.7
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	20	1.7
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	20	1.7
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	6	1.7
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	6	1.7
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	6	1.7
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	16	1.7
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	16	1.7
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	16	1.7
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	16	1.7
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG21	13	1.7
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG22	13	1.7
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG23	13	1.7
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	19	1.69
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	5	1.69
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	5	1.69
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	5	1.69
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	11	1.69
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	16	1.69
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	15	1.69
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	15	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	15	1.69
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	6	1.69
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	13	1.69
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	16	1.69
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	13	1.69
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	20	1.69
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	20	1.69
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	20	1.69
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	2	1.69
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	11	1.69
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	2	1.69
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	5	1.69
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	7	1.69
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	15	1.69
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	18	1.69
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	6	1.69
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	17	1.69
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	2	1.69
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	20	1.69
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	16	1.69
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	16	1.69
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	16	1.69
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	16	1.69
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	16	1.69
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	16	1.69
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	16	1.69
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	16	1.69
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	16	1.69
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	2	1.69
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	15	1.69
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	3	1.69
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	3	1.69
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	3	1.69
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	5	1.69
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	19	1.69
(2,394)	1:50:A:LEU:HD11	1:50:A:LEU:HG	7	1.69
(2,394)	1:50:A:LEU:HD12	1:50:A:LEU:HG	7	1.69
(2,394)	1:50:A:LEU:HD13	1:50:A:LEU:HG	7	1.69
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	5	1.69
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	8	1.69
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	12	1.69
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	12	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	12	1.69
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	3	1.68
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	11	1.68
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	11	1.68
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	11	1.68
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	4	1.68
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	17	1.68
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	18	1.68
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	19	1.68
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	18	1.68
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	5	1.68
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	14	1.68
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	12	1.68
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	4	1.68
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	2	1.68
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	2	1.68
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	2	1.68
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	16	1.68
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	13	1.68
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	5	1.68
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	4	1.68
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	9	1.68
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	15	1.68
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	15	1.68
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	15	1.68
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	4	1.68
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	14	1.68
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	11	1.68
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	10	1.68
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	13	1.68
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	1	1.68
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	5	1.68
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	5	1.68
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	5	1.68
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	14	1.68
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	14	1.68
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	14	1.68
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	14	1.68
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	14	1.68
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	14	1.68
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	14	1.68
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	14	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	14	1.68
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	10	1.68
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	10	1.68
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	10	1.68
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	10	1.68
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	18	1.68
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	18	1.68
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	18	1.68
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	3	1.68
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	2	1.68
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	7	1.68
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	13	1.68
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	13	1.68
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	13	1.68
(2,48)	1:98:A:LEU:HD11	1:63:A:LEU:HB3	13	1.68
(2,48)	1:98:A:LEU:HD12	1:63:A:LEU:HB3	13	1.68
(2,48)	1:98:A:LEU:HD13	1:63:A:LEU:HB3	13	1.68
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	1	1.67
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	1	1.67
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	1	1.67
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	6	1.67
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	6	1.67
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	6	1.67
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	5	1.67
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	5	1.67
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	5	1.67
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	8	1.67
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	8	1.67
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	8	1.67
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	19	1.67
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	19	1.67
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	19	1.67
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	17	1.67
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	2	1.67
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	7	1.67
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	2	1.67
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	2	1.67
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	2	1.67
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	2	1.67
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	5	1.67
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	9	1.67
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	19	1.67
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	15	1.67
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	3	1.67
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	7	1.67
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	9	1.67
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	9	1.67
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	3	1.67
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	2	1.67
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	8	1.67
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	18	1.67
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	1	1.67
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	6	1.67
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	1	1.67
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	19	1.67
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	19	1.67
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	4	1.67
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	4	1.67
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	4	1.67
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	12	1.67
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	7	1.67
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	7	1.67
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	7	1.67
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	9	1.67
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	3	1.67
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	13	1.67
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	1	1.67
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	6	1.67
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	7	1.67
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	7	1.67
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	7	1.67
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	2	1.67
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	2	1.67
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	2	1.67
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	5	1.67
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	5	1.67
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	17	1.67
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	10	1.67
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	12	1.67
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	12	1.67
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	12	1.67
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	2	1.67
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	7	1.67
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	7	1.67
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	7	1.67
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	15	1.67
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	1	1.66
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	1	1.66
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	1	1.66
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	17	1.66
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	17	1.66
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	17	1.66
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	10	1.66
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	16	1.66
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	16	1.66
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	16	1.66
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	3	1.66
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	5	1.66
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	8	1.66
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	16	1.66
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	16	1.66
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	16	1.66
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	9	1.66
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	2	1.66
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	19	1.66
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	7	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	1	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	2	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	3	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	7	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	8	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	12	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	14	1.66
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.66
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	11	1.66
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	11	1.66
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	11	1.66
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	20	1.66
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	9	1.66
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	11	1.66
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	1	1.66
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	1	1.66
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	1	1.66
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	20	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	7	1.66
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	11	1.66
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	5	1.66
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	5	1.66
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	5	1.66
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	17	1.66
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	16	1.66
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	16	1.66
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	16	1.66
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	5	1.66
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	10	1.66
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	3	1.66
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	3	1.66
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	3	1.66
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	18	1.66
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	2	1.66
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	2	1.66
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	2	1.66
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	5	1.66
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	12	1.65
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	6	1.65
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	13	1.65
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	16	1.65
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	10	1.65
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	19	1.65
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	15	1.65
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	15	1.65
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	15	1.65
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	15	1.65
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	9	1.65
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	12	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	4	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	5	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	6	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	9	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	10	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	11	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	13	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	15	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	16	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	17	1.65
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1141)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	19	1.65
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	16	1.65
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	16	1.65
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	16	1.65
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	17	1.65
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	16	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	1	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	1	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	1	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	2	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	2	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	2	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	3	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	3	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	3	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	4	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	4	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	4	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	5	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	5	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	5	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	6	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	6	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	6	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	7	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	7	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	7	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	8	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	8	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	8	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	9	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	9	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	9	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	10	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	10	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	10	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	11	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	11	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	11	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	12	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	12	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	12	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	13	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	13	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	13	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	14	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	14	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	14	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	15	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	15	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	15	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	16	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	16	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	16	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	17	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	17	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	17	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	18	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	18	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	18	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	19	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	19	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	19	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	20	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	20	1.65
(2,933)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	20	1.65
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	6	1.65
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	6	1.65
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	6	1.65
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	6	1.65
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	6	1.65
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	6	1.65
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	6	1.65
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	6	1.65
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	6	1.65
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	20	1.65
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	1	1.65
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	5	1.65
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	3	1.65
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	3	1.65
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	3	1.65
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	1	1.65
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	1	1.65
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	9	1.65
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	9	1.65
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	9	1.65
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	6	1.65
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	16	1.65
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	16	1.65
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	16	1.65
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	6	1.65
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	7	1.65
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	7	1.65
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	7	1.65
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	20	1.65
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	20	1.65
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	20	1.65
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	2	1.64
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	2	1.64
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	2	1.64
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	16	1.64
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	16	1.64
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	16	1.64
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	2	1.64
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	3	1.64
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	1	1.64
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	1	1.64
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	1	1.64
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	11	1.64
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	13	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	9	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	9	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	9	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	16	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	16	1.64
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	16	1.64
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	2	1.64
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	2	1.64
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	2	1.64
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	17	1.64
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	17	1.64
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	17	1.64
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	7	1.64
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	8	1.64
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	8	1.64
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	12	1.64
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	11	1.64
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	12	1.64
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	3	1.64
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	2	1.64
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	2	1.64
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	2	1.64
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	2	1.64
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	2	1.64
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	2	1.64
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	2	1.64
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	2	1.64
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	2	1.64
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	1	1.64
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	6	1.64
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	12	1.64
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	8	1.64
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	8	1.64
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	8	1.64
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	9	1.64
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	16	1.64
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	17	1.64
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	9	1.64
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	15	1.64
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	4	1.64
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	6	1.64
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	20	1.64
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	20	1.64
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	20	1.64
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	14	1.64
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	17	1.64
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	3	1.64
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	2	1.64
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	2	1.64
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	2	1.64
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	13	1.64
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	13	1.64
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	13	1.64
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	9	1.64
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	9	1.64
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	9	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	13	1.64
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	8	1.64
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	15	1.64
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	17	1.64
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	17	1.64
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	17	1.64
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	17	1.64
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	17	1.64
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	17	1.64
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	17	1.64
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	17	1.64
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	17	1.64
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	13	1.64
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	13	1.64
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	13	1.64
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	19	1.64
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	5	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	5	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	5	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	11	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	11	1.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	11	1.64
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	1	1.64
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	1	1.64
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	1	1.64
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	19	1.64
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	19	1.64
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	19	1.64
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	3	1.64
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	3	1.64
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	3	1.64
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	19	1.64
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	7	1.64
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	12	1.64
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	15	1.63
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	15	1.63
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	15	1.63
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	14	1.63
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	19	1.63
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	13	1.63
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	11	1.63
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	11	1.63
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	11	1.63
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	11	1.63
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	11	1.63
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	11	1.63
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	11	1.63
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	11	1.63
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	11	1.63
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	1	1.63
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	7	1.63
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	6	1.63
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	13	1.63
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	5	1.63
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	8	1.63
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	10	1.63
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	13	1.63
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	8	1.63
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	16	1.63
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	18	1.63
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	14	1.63
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	17	1.63
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	8	1.63
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	9	1.63
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	9	1.63
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	9	1.63
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	4	1.63
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	4	1.63
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	4	1.63
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	19	1.63
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	19	1.63
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	19	1.63
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	3	1.63
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	14	1.63
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	4	1.63
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	9	1.63
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	15	1.63
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	16	1.63
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	9	1.63
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	9	1.63
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	9	1.63
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	17	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	17	1.63
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	17	1.63
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	1	1.63
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	8	1.63
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	11	1.63
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	12	1.63
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	12	1.63
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	12	1.63
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	6	1.62
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	15	1.62
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	15	1.62
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	15	1.62
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	8	1.62
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	8	1.62
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	17	1.62
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	11	1.62
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	7	1.62
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	2	1.62
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	19	1.62
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	4	1.62
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	11	1.62
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	11	1.62
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	11	1.62
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	18	1.62
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	18	1.62
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	18	1.62
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	18	1.62
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	15	1.62
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	20	1.62
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	18	1.62
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	18	1.62
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	18	1.62
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	18	1.62
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	9	1.62
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	8	1.62
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	15	1.62
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	4	1.62
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	4	1.62
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	4	1.62
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	8	1.62
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	8	1.62
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	17	1.62
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	17	1.62
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	17	1.62
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	18	1.62
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	5	1.62
(2,679)	1:73:A:LEU:HB2	1:73:A:LEU:HA	10	1.62
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	2	1.62
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	4	1.62
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	5	1.62
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	3	1.62
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	12	1.62
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	18	1.62
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	15	1.62
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	10	1.62
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	10	1.62
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	10	1.62
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	11	1.61
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	11	1.61
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	11	1.61
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	2	1.61
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	17	1.61
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	3	1.61
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	1	1.61
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	14	1.61
(2,2486)	1:35:A:ILE:HD11	1:28:A:TRP:HE1	8	1.61
(2,2486)	1:35:A:ILE:HD12	1:28:A:TRP:HE1	8	1.61
(2,2486)	1:35:A:ILE:HD13	1:28:A:TRP:HE1	8	1.61
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	3	1.61
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	3	1.61
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	18	1.61
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	18	1.61
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	18	1.61
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	6	1.61
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	6	1.61
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	6	1.61
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	13	1.61
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	19	1.61
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	14	1.61
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	16	1.61
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	16	1.61
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	16	1.61
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	20	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	20	1.61
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	20	1.61
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	20	1.61
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	3	1.61
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	20	1.61
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	18	1.61
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	10	1.61
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	16	1.61
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	3	1.61
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	12	1.61
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	12	1.61
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	12	1.61
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	4	1.61
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	7	1.61
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	13	1.61
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	4	1.61
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	7	1.61
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	14	1.61
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	14	1.61
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	14	1.61
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	2	1.61
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	2	1.61
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	2	1.61
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	10	1.61
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	10	1.61
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	10	1.61
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	19	1.61
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	19	1.61
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	19	1.61
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	20	1.61
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	20	1.61
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	20	1.61
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	14	1.61
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	6	1.61
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	18	1.61
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	18	1.61
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	18	1.61
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	19	1.61
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	19	1.61
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	19	1.61
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	10	1.61
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	18	1.61
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	17	1.61
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	17	1.61
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	17	1.61
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	5	1.61
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	2	1.61
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	2	1.61
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	2	1.61
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	1	1.61
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	1	1.61
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	1	1.61
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	15	1.61
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	15	1.61
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	15	1.61
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	7	1.61
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	13	1.61
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	5	1.61
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	5	1.61
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	5	1.61
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	5	1.61
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	5	1.61
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	5	1.61
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	5	1.61
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	5	1.61
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	5	1.61
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	19	1.61
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	3	1.6
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	3	1.6
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	3	1.6
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	12	1.6
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	12	1.6
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	12	1.6
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	19	1.6
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	18	1.6
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	18	1.6
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	18	1.6
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	11	1.6
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	11	1.6
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	11	1.6
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	7	1.6
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	4	1.6
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	3	1.6
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	3	1.6
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	3	1.6
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	14	1.6
(2,1352)	1:114:A:TRP:HB2	1:114:A:TRP:H	19	1.6
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	5	1.6
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	4	1.6
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	2	1.6
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	15	1.6
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	16	1.6
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	5	1.6
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	20	1.6
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	6	1.6
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	4	1.6
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	4	1.6
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	3	1.6
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	3	1.6
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	3	1.6
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	7	1.6
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	7	1.6
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	7	1.6
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	13	1.6
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	13	1.6
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	13	1.6
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	10	1.6
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	11	1.6
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	16	1.6
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	14	1.6
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	13	1.6
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	17	1.6
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	6	1.6
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	6	1.6
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	6	1.6
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	6	1.6
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	6	1.6
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	6	1.6
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	6	1.6
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	6	1.6
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	6	1.6
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	1	1.6
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	5	1.6
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	12	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	12	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	2	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	2	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	2	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	3	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	3	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	3	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	4	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	4	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	4	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	6	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	6	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	6	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	8	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	8	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	8	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	9	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	9	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	9	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	10	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	10	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	10	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	11	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	11	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	11	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	13	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	13	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	13	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	14	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	14	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	14	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	16	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	16	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	16	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	17	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	17	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	17	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	18	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	18	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	18	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	19	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	19	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	19	1.6
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	20	1.6
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	20	1.6
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	20	1.6
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	16	1.6
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	16	1.6
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	16	1.6
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	11	1.59
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	1	1.59
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	1	1.59
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	1	1.59
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	1	1.59
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	11	1.59
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	18	1.59
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	18	1.59
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	18	1.59
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	3	1.59
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	9	1.59
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	8	1.59
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	2	1.59
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	12	1.59
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	6	1.59
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	8	1.59
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	7	1.59
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	7	1.59
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	7	1.59
(2,1514)	1:24:A:LEU:HD21	1:48:A:TYR:HB2	8	1.59
(2,1514)	1:24:A:LEU:HD22	1:48:A:TYR:HB2	8	1.59
(2,1514)	1:24:A:LEU:HD23	1:48:A:TYR:HB2	8	1.59
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	14	1.59
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	14	1.59
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	14	1.59
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	14	1.59
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	19	1.59
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	19	1.59
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	4	1.59
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	13	1.59
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	14	1.59
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	10	1.59
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	10	1.59
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	10	1.59
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	9	1.59
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	17	1.59
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	18	1.59
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	3	1.59
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	20	1.59
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	6	1.59
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	7	1.59
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	7	1.59
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	7	1.59
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	16	1.59
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	16	1.59
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	16	1.59
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	5	1.59
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	5	1.59
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	5	1.59
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	7	1.59
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	7	1.59
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	7	1.59
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	8	1.59
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	8	1.59
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	8	1.59
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	11	1.59
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	11	1.59
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	11	1.59
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	8	1.59
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	8	1.59
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	8	1.59
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	4	1.59
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	13	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	1	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	1	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	1	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	6	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	6	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	6	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	7	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	7	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	7	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	8	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	8	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	8	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	12	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	12	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	14	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	14	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	14	1.59
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	20	1.59
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	20	1.59
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	20	1.59
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	12	1.59
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	12	1.59
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	12	1.59
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	12	1.59
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	12	1.59
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	12	1.59
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	12	1.59
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	12	1.59
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	12	1.59
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	11	1.59
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	9	1.59
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	9	1.59
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	9	1.59
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	16	1.59
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	16	1.59
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	16	1.59
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	5	1.59
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	5	1.59
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	5	1.59
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	7	1.59
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	7	1.59
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	7	1.59
(2,519)	1:63:A:LEU:HD21	1:63:A:LEU:HG	12	1.59
(2,519)	1:63:A:LEU:HD22	1:63:A:LEU:HG	12	1.59
(2,519)	1:63:A:LEU:HD23	1:63:A:LEU:HG	12	1.59
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	17	1.59
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	1.59
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	3	1.59
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	15	1.59
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	15	1.59
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	15	1.59
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	16	1.59
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	13	1.58
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	9	1.58
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	9	1.58
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	10	1.58
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	10	1.58
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	10	1.58
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	7	1.58
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	6	1.58
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	6	1.58
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	6	1.58
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	5	1.58
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	5	1.58
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	5	1.58
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	7	1.58
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	2	1.58
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	8	1.58
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	8	1.58
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	8	1.58
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	2	1.58
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	2	1.58
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	2	1.58
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	14	1.58
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	15	1.58
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	15	1.58
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	15	1.58
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	17	1.58
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	17	1.58
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	17	1.58
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	5	1.58
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	5	1.58
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	5	1.58
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	2	1.58
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	7	1.58
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	14	1.58
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	8	1.58
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	1	1.58
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	2	1.58
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	13	1.58
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	18	1.58
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	18	1.58
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	18	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	1	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	1	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	2	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	2	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	2	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	3	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	3	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	3	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	4	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	4	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	4	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	6	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	6	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	6	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	9	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	9	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	9	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	10	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	10	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	10	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	12	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	12	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	12	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	13	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	13	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	13	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	14	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	14	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	14	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	15	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	15	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	15	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	16	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	16	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	16	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	17	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	17	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	17	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	18	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	18	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	18	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	19	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	19	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	19	1.58
(2,875)	1:85:A:VAL:HG11	1:85:A:VAL:HB	20	1.58
(2,875)	1:85:A:VAL:HG12	1:85:A:VAL:HB	20	1.58
(2,875)	1:85:A:VAL:HG13	1:85:A:VAL:HB	20	1.58
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	15	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	17	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	17	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	17	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	20	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	20	1.58
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	20	1.58
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	7	1.58
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	11	1.58
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	6	1.58
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	12	1.58
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	9	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	2	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	2	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	2	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	3	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	3	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	3	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	4	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	4	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	4	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	5	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	5	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	5	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	9	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	9	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	9	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	10	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	10	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	10	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	11	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	11	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	11	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	13	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	13	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	13	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	15	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	15	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	15	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	16	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	16	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	16	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	17	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	17	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	17	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	18	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	18	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	18	1.58
(2,712)	1:73:A:LEU:HD21	1:73:A:LEU:HG	19	1.58
(2,712)	1:73:A:LEU:HD22	1:73:A:LEU:HG	19	1.58
(2,712)	1:73:A:LEU:HD23	1:73:A:LEU:HG	19	1.58
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	11	1.58
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	11	1.58
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	11	1.58
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	2	1.58
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	19	1.58
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	13	1.58
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	13	1.58
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	13	1.58
(2,609)	1:70:A:VAL:HG21	1:68:A:PRO:HA	14	1.58
(2,609)	1:70:A:VAL:HG22	1:68:A:PRO:HA	14	1.58
(2,609)	1:70:A:VAL:HG23	1:68:A:PRO:HA	14	1.58
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	8	1.58
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	8	1.58
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	8	1.58
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	2	1.58
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	6	1.58
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	4	1.58
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	14	1.58
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	2	1.58
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	17	1.58
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	11	1.58
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	11	1.58
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	11	1.58
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	5	1.58
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	5	1.58
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	5	1.58
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	6	1.58
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	1	1.57
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	2	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	4	1.57
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	4	1.57
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	4	1.57
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	7	1.57
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	7	1.57
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	7	1.57
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	13	1.57
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	13	1.57
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	13	1.57
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	19	1.57
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	19	1.57
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	19	1.57
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	20	1.57
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	20	1.57
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	20	1.57
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	2	1.57
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	8	1.57
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	8	1.57
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	8	1.57
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	2	1.57
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	8	1.57
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	8	1.57
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	8	1.57
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	4	1.57
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	4	1.57
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	4	1.57
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	10	1.57
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	12	1.57
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	8	1.57
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	7	1.57
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	3	1.57
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	12	1.57
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	9	1.57
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	13	1.57
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	17	1.57
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	19	1.57
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	17	1.57
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	4	1.57
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	4	1.57
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	4	1.57
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	6	1.57
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	11	1.57
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	17	1.57
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	5	1.57
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	5	1.57
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	5	1.57
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	5	1.57
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	11	1.57
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	11	1.57
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	11	1.57
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	11	1.57
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	11	1.57
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	11	1.57
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	13	1.57
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	13	1.57
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	13	1.57
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	11	1.57
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	12	1.57
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	17	1.57
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	16	1.57
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	16	1.57
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	16	1.57
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	18	1.57
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	18	1.57
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	18	1.57
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	19	1.57
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	19	1.57
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	19	1.57
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	11	1.57
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	20	1.57
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	20	1.57
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	20	1.57
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	8	1.57
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	19	1.57
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	19	1.57
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	19	1.57
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	6	1.57
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	14	1.57
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	19	1.57
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	13	1.57
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	15	1.57
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	20	1.57
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	20	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	20	1.57
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	19	1.57
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	11	1.57
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	20	1.57
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	20	1.57
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	20	1.57
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	18	1.57
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	19	1.57
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	19	1.57
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	19	1.57
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	19	1.57
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	20	1.57
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	20	1.57
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	20	1.57
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	17	1.57
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	15	1.56
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	13	1.56
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	13	1.56
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	13	1.56
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	2	1.56
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	19	1.56
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	19	1.56
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	19	1.56
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	10	1.56
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	10	1.56
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	10	1.56
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	1	1.56
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	7	1.56
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	18	1.56
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	1	1.56
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	14	1.56
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	14	1.56
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	14	1.56
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	14	1.56
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	14	1.56
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	14	1.56
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	14	1.56
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	14	1.56
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	14	1.56
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	15	1.56
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	19	1.56
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	7	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	8	1.56
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	13	1.56
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	10	1.56
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	10	1.56
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	10	1.56
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	13	1.56
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	13	1.56
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	13	1.56
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	10	1.56
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	18	1.56
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	5	1.56
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	15	1.56
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	1	1.56
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	12	1.56
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	20	1.56
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	12	1.56
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	12	1.56
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	12	1.56
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	9	1.56
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	18	1.56
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	18	1.56
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	18	1.56
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	18	1.56
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	9	1.56
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	15	1.56
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	18	1.56
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	7	1.56
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	7	1.56
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	7	1.56
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	8	1.56
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	8	1.56
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	8	1.56
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	3	1.56
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	5	1.56
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	3	1.56
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	3	1.56
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	3	1.56
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	6	1.56
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	6	1.56
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	6	1.56
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	2	1.56
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	18	1.56
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	14	1.56
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	14	1.56
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	14	1.56
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	14	1.56
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	14	1.56
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	14	1.56
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	14	1.56
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	14	1.56
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	14	1.56
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	3	1.56
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	20	1.56
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	20	1.56
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	20	1.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	4	1.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	4	1.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	4	1.56
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	19	1.55
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	19	1.55
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	19	1.55
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	20	1.55
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	6	1.55
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	20	1.55
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	7	1.55
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	14	1.55
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	14	1.55
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	14	1.55
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	15	1.55
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	1	1.55
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	2	1.55
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	4	1.55
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	5	1.55
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	11	1.55
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	10	1.55
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	1	1.55
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	6	1.55
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	15	1.55
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	20	1.55
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	17	1.55
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	17	1.55
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	17	1.55
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	9	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	9	1.55
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	9	1.55
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	9	1.55
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	9	1.55
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	9	1.55
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	9	1.55
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	9	1.55
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	9	1.55
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	19	1.55
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	15	1.55
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	15	1.55
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	3	1.55
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	16	1.55
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	3	1.55
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	3	1.55
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	3	1.55
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	4	1.55
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	4	1.55
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	4	1.55
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	9	1.55
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	20	1.55
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	3	1.55
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	5	1.55
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	19	1.55
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	9	1.55
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	7	1.55
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	7	1.55
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	7	1.55
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	17	1.55
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	17	1.55
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	17	1.55
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	2	1.54
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	2	1.54
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	2	1.54
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	4	1.54
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	7	1.54
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	2	1.54
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	17	1.54
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	5	1.54
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	15	1.54
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	3	1.54
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	3	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	3	1.54
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	16	1.54
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	16	1.54
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	16	1.54
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	19	1.54
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	19	1.54
(2,1530)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	19	1.54
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	17	1.54
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	8	1.54
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	12	1.54
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	12	1.54
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	12	1.54
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	11	1.54
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	11	1.54
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	11	1.54
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	10	1.54
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	17	1.54
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	19	1.54
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	16	1.54
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	11	1.54
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	1	1.54
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	7	1.54
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	4	1.54
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	16	1.54
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	15	1.54
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	4	1.54
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	2	1.54
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	3	1.54
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	19	1.54
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	20	1.54
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	14	1.54
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	9	1.54
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	4	1.54
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	4	1.54
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	4	1.54
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	15	1.54
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	15	1.54
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	15	1.54
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	4	1.54
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	4	1.54
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	4	1.54
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	4	1.54
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	4	1.54
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	4	1.54
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	4	1.54
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	4	1.54
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	14	1.54
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	9	1.54
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	9	1.54
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	9	1.54
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	19	1.54
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	19	1.54
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	20	1.54
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	9	1.54
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	9	1.54
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	9	1.54
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	11	1.54
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	11	1.54
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	11	1.54
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	6	1.54
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	6	1.54
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	6	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	4	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	6	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	7	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	10	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	11	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	12	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	15	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	16	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	17	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	18	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	19	1.54
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	20	1.54
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	8	1.54
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	8	1.54
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	8	1.54
(1,1751)	1:83:A:ASP:H	1:84:A:LYS:HD2	20	1.54
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	13	1.53
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	3	1.53
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	17	1.53
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	15	1.53
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	15	1.53
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	3	1.53
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	7	1.53
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	18	1.53
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	8	1.53
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	11	1.53
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	5	1.53
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	5	1.53
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	5	1.53
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	1	1.53
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	17	1.53
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	10	1.53
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	14	1.53
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	3	1.53
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	2	1.53
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	14	1.53
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	15	1.53
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	13	1.53
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	7	1.53
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	7	1.53
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	7	1.53
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	6	1.53
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	16	1.53
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	13	1.53
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	9	1.53
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	9	1.53
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	9	1.53
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	5	1.53
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	5	1.53
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	5	1.53
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	11	1.53
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	8	1.53
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	14	1.53
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	8	1.53
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	8	1.53
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	8	1.53
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	2	1.53
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	8	1.53
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	8	1.53
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	8	1.53
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	14	1.53
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	1	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	2	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	3	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	5	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	8	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	13	1.53
(2,128)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	14	1.53
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	18	1.53
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	18	1.53
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	18	1.53
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	20	1.53
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	20	1.53
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	20	1.53
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	17	1.53
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	17	1.53
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	17	1.53
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	12	1.52
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	6	1.52
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	17	1.52
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	20	1.52
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	20	1.52
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	20	1.52
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	9	1.52
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	9	1.52
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	9	1.52
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	20	1.52
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	9	1.52
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	9	1.52
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	9	1.52
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	2	1.52
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	2	1.52
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	2	1.52
(2,1355)	1:114:A:TRP:HB3	1:114:A:TRP:HA	11	1.52
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	6	1.52
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	8	1.52
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	20	1.52
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	10	1.52
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	18	1.52
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	18	1.52
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	20	1.52
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	20	1.52
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	4	1.52
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	4	1.52
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	4	1.52
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	11	1.52
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	16	1.52
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	3	1.52
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	17	1.52
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	20	1.52
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	20	1.52
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	20	1.52
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	19	1.52
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	19	1.52
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	19	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	15	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	15	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	15	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	19	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	19	1.52
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	19	1.52
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	2	1.52
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	18	1.52
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	12	1.52
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	12	1.52
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	12	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	12	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	12	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	12	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	14	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	14	1.52
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	14	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	4	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	4	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	4	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	16	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	16	1.52
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	16	1.52
(2,609)	1:70:A:VAL:HG21	1:68:A:PRO:HA	13	1.52
(2,609)	1:70:A:VAL:HG22	1:68:A:PRO:HA	13	1.52
(2,609)	1:70:A:VAL:HG23	1:68:A:PRO:HA	13	1.52
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	16	1.52
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	1	1.52
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	12	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	8	1.52
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	15	1.52
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	17	1.52
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	17	1.52
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	17	1.52
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	20	1.52
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	13	1.52
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	13	1.52
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	13	1.52
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	7	1.51
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	5	1.51
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	13	1.51
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	13	1.51
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	13	1.51
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	4	1.51
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	11	1.51
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	16	1.51
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	15	1.51
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	17	1.51
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	2	1.51
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	14	1.51
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	17	1.51
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	1	1.51
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	14	1.51
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	5	1.51
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	13	1.51
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	6	1.51
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	12	1.51
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	7	1.51
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	17	1.51
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	10	1.51
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	10	1.51
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	15	1.51
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	10	1.51
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	6	1.51
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	15	1.51
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	6	1.51
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	6	1.51
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	6	1.51
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	10	1.51
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	10	1.51
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	8	1.51
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	8	1.51
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	8	1.51
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	13	1.51
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	8	1.51
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	9	1.51
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	9	1.51
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	9	1.51
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	15	1.51
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	15	1.51
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	15	1.51
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	13	1.51
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	7	1.51
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	13	1.51
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	17	1.51
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	11	1.51
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	11	1.51
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	11	1.51
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	11	1.51
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	11	1.51
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	11	1.51
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	11	1.51
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	11	1.51
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	11	1.51
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	4	1.51
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	4	1.51
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	4	1.51
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	6	1.51
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	6	1.51
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	6	1.51
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	9	1.51
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	10	1.51
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	18	1.51
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	5	1.51
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	15	1.51
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	1	1.51
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	14	1.51
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	3	1.51
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	1	1.51
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	13	1.51
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	13	1.51
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	13	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	9	1.51
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	2	1.51
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	2	1.51
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	2	1.51
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	18	1.5
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	18	1.5
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	18	1.5
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	7	1.5
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	16	1.5
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	11	1.5
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	11	1.5
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	11	1.5
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	11	1.5
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	18	1.5
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	19	1.5
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	15	1.5
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	18	1.5
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	4	1.5
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	1	1.5
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	9	1.5
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	3	1.5
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	13	1.5
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	10	1.5
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	3	1.5
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	13	1.5
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	12	1.5
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	13	1.5
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	13	1.5
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	13	1.5
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	20	1.5
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	20	1.5
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	20	1.5
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	18	1.5
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	18	1.5
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	18	1.5
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	3	1.5
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	3	1.5
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	3	1.5
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	12	1.5
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	19	1.5
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	5	1.5
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	18	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	5	1.5
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	7	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	4	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	11	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	12	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	15	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	17	1.5
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	19	1.5
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	14	1.5
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	14	1.5
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	14	1.5
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	13	1.5
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	6	1.49
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	6	1.49
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	6	1.49
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	14	1.49
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	3	1.49
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	20	1.49
(2,2291)	1:47:A:LEU:HD21	1:42:A:ALA:H	14	1.49
(2,2291)	1:47:A:LEU:HD22	1:42:A:ALA:H	14	1.49
(2,2291)	1:47:A:LEU:HD23	1:42:A:ALA:H	14	1.49
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	10	1.49
(2,2262)	1:41:A:MET:HG2	1:40:A:LYS:H	17	1.49
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	3	1.49
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	9	1.49
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	13	1.49
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	13	1.49
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	10	1.49
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	10	1.49
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	10	1.49
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	5	1.49
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	14	1.49
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	15	1.49
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	13	1.49
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	13	1.49
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	13	1.49
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	16	1.49
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	16	1.49
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	16	1.49
(2,1387)	1:115:A:ILE:HG13	1:115:A:ILE:H	3	1.49
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	11	1.49
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	11	1.49
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	3	1.49
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	13	1.49
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	17	1.49
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	2	1.49
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	7	1.49
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	8	1.49
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	11	1.49
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	20	1.49
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	20	1.49
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	20	1.49
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	20	1.49
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	15	1.49
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	12	1.49
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	5	1.49
(2,963)	1:92:A:LYS:HA	1:92:A:LYS:HB3	12	1.49
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	7	1.49
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	13	1.49
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	13	1.49
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	13	1.49
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	1	1.49
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	1	1.49
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	1	1.49
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	10	1.49
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	10	1.49
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	10	1.49
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	19	1.49
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	2	1.49
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	5	1.49
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	5	1.49
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	5	1.49
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	11	1.49
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	11	1.49
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	11	1.49
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	18	1.49
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	18	1.49
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	18	1.49
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	7	1.49
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	6	1.49
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	3	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	1	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	2	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	3	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	4	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	5	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	6	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	7	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	8	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	9	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	10	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	11	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	12	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	13	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	14	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	15	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	16	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	17	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	18	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	19	1.49
(2,454)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	20	1.49
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	9	1.49
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	6	1.49
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	20	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	1	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	2	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	3	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	5	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	6	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	7	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	8	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	10	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	13	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	14	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	16	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	18	1.49
(2,127)	1:28:A:TRP:HB2	1:28:A:TRP:HB3	20	1.49
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	9	1.49
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	9	1.49
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	9	1.49
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	14	1.49
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	14	1.49
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	14	1.49
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	14	1.49
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	14	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	14	1.49
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	14	1.49
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	14	1.49
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	14	1.49
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	17	1.49
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	17	1.49
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	17	1.49
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	14	1.48
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	3	1.48
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	3	1.48
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	3	1.48
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	8	1.48
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	16	1.48
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	15	1.48
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	15	1.48
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	15	1.48
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	15	1.48
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	15	1.48
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	15	1.48
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	15	1.48
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	15	1.48
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	15	1.48
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	6	1.48
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	2	1.48
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	1	1.48
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	17	1.48
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	20	1.48
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	20	1.48
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	20	1.48
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	4	1.48
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	6	1.48
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	6	1.48
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	6	1.48
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	8	1.48
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	8	1.48
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	8	1.48
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	11	1.48
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	2	1.48
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	6	1.48
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	10	1.48
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	3	1.48
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	5	1.48
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	5	1.48
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	5	1.48
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	5	1.48
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	5	1.48
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	5	1.48
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	13	1.48
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	16	1.48
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	16	1.48
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	16	1.48
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	7	1.48
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	3	1.48
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	3	1.48
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	3	1.48
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	6	1.48
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	13	1.48
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	16	1.48
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	5	1.48
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	5	1.48
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	5	1.48
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	17	1.48
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	16	1.48
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	16	1.48
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	16	1.48
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD11	8	1.48
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD12	8	1.48
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD13	8	1.48
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD11	8	1.48
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD12	8	1.48
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD13	8	1.48
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD11	8	1.48
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD12	8	1.48
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD13	8	1.48
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	8	1.47
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	20	1.47
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	3	1.47
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	3	1.47
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	3	1.47
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	17	1.47
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	13	1.47
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	13	1.47
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	13	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	5	1.47
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	5	1.47
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	5	1.47
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	1.47
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	16	1.47
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	14	1.47
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	2	1.47
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	14	1.47
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	9	1.47
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	9	1.47
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	9	1.47
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	12	1.47
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	9	1.47
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	9	1.47
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	9	1.47
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	15	1.47
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	12	1.47
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	5	1.47
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	18	1.47
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	20	1.47
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	2	1.47
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	4	1.47
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	15	1.47
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	19	1.47
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	9	1.47
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	12	1.47
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	2	1.47
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	1	1.47
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	2	1.47
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	8	1.47
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	8	1.47
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	8	1.47
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	9	1.47
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	9	1.47
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	9	1.47
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	5	1.47
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	14	1.47
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	20	1.47
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	3	1.47
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	10	1.47
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	4	1.47
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	17	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	14	1.47
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	14	1.47
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	14	1.47
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	6	1.47
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	6	1.47
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	6	1.47
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	17	1.47
(2,534)	1:66:A:LEU:HB2	1:66:A:LEU:H	17	1.47
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	11	1.47
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	10	1.47
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	14	1.47
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	8	1.47
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	15	1.47
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	2	1.47
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	2	1.47
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	2	1.47
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	15	1.47
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	15	1.47
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	15	1.47
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	17	1.47
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	17	1.47
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	17	1.47
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	17	1.47
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	17	1.47
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	17	1.47
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	9	1.47
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	11	1.46
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	11	1.46
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	13	1.46
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	13	1.46
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	13	1.46
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	7	1.46
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	7	1.46
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	7	1.46
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	20	1.46
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	20	1.46
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	20	1.46
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	19	1.46
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	6	1.46
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	6	1.46
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	6	1.46
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	18	1.46
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	3	1.46
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	10	1.46
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	18	1.46
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	4	1.46
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	4	1.46
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	1	1.46
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	14	1.46
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	18	1.46
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	18	1.46
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	18	1.46
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	7	1.46
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	16	1.46
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	5	1.46
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	6	1.46
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	9	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	1	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	2	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	3	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	7	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	8	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	12	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	14	1.46
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.46
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	18	1.46
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	11	1.46
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	2	1.46
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	17	1.46
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	4	1.46
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	14	1.46
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	14	1.46
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	14	1.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	14	1.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	14	1.46
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	14	1.46
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	14	1.46
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	14	1.46
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	14	1.46
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	11	1.46
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	11	1.46
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	11	1.46
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	2	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	2	1.46
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	2	1.46
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	20	1.46
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	20	1.46
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	20	1.46
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	20	1.46
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	20	1.46
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	20	1.46
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	20	1.46
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	20	1.46
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	20	1.46
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	17	1.46
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	17	1.46
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	17	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	1	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	2	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	3	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	4	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	6	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	7	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	8	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	9	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	10	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	11	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	12	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	13	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	15	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	17	1.46
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	18	1.46
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	4	1.46
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	10	1.46
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	10	1.46
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	10	1.46
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	11	1.46
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	3	1.46
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	3	1.46
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	3	1.46
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	7	1.46
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	7	1.46
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	7	1.46
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	10	1.46
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	10	1.46
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	12	1.46
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	12	1.46
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	12	1.46
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	16	1.46
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	3	1.46
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	7	1.46
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	9	1.46
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	20	1.46
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	20	1.46
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	20	1.46
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	20	1.46
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	10	1.46
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	12	1.46
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	15	1.46
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	15	1.46
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	18	1.46
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	18	1.46
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	18	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	11	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	11	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	11	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	16	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	16	1.46
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	16	1.46
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	16	1.46
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	16	1.46
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	16	1.46
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	14	1.46
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	13	1.46
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	7	1.45
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	7	1.45
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	7	1.45
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	12	1.45
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	6	1.45
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	6	1.45
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	7	1.45
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	9	1.45
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	4	1.45
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	4	1.45
(2,2327)	1:48:A:TYR:HE1	1:49:A:LEU:H	1	1.45
(2,2327)	1:48:A:TYR:HE2	1:49:A:LEU:H	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	4	1.45
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	18	1.45
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	13	1.45
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	19	1.45
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	19	1.45
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	19	1.45
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	6	1.45
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	13	1.45
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	1	1.45
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	2	1.45
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	8	1.45
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	9	1.45
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	11	1.45
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	13	1.45
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	13	1.45
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	4	1.45
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	3	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	4	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	5	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	6	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	9	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	10	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	11	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	13	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	15	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	16	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	17	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	18	1.45
(2,1136)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	19	1.45
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	19	1.45
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	19	1.45
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	19	1.45
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	18	1.45
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	16	1.45
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	16	1.45
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	16	1.45
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	15	1.45
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	6	1.45
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	6	1.45
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	6	1.45
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	17	1.45
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	17	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	17	1.45
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	17	1.45
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	17	1.45
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	17	1.45
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	17	1.45
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	17	1.45
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	17	1.45
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	19	1.45
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	2	1.45
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	2	1.45
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	2	1.45
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	4	1.45
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	4	1.45
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	4	1.45
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	15	1.45
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	15	1.45
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	15	1.45
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	11	1.45
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	11	1.45
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	11	1.45
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	10	1.45
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	10	1.45
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	10	1.45
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	16	1.45
(2,741)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	19	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	1	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	2	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	3	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	5	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	6	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	7	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	8	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	9	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	10	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	11	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	12	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	13	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	14	1.45
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	20	1.45
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	19	1.45
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	20	1.45
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	20	1.45
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	4	1.45
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	4	1.45
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	4	1.45
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	19	1.45
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	19	1.45
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	19	1.45
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	19	1.45
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	19	1.45
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	19	1.45
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	8	1.45
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	15	1.45
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	15	1.45
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	15	1.45
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	20	1.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	4	1.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	4	1.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	4	1.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	4	1.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	4	1.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	4	1.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	4	1.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	4	1.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	4	1.45
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	17	1.45
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	17	1.45
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	17	1.45
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	14	1.45
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	2	1.45
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	2	1.45
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	2	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	1	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	2	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	4	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	5	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	6	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	7	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	8	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	9	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	10	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	11	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	13	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	14	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	15	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	16	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	17	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	19	1.45
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	20	1.45
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	19	1.45
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	1	1.44
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	9	1.44
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	14	1.44
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	16	1.44
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	7	1.44
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	18	1.44
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	19	1.44
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	19	1.44
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	19	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	1	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	1	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	1	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	2	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	2	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	2	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	3	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	3	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	3	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	4	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	4	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	4	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	5	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	5	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	5	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	6	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	6	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	6	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	7	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	7	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	7	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	8	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	8	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	8	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	9	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	9	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	10	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	10	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	10	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	11	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	11	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	11	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	12	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	12	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	12	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	13	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	13	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	13	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	14	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	14	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	14	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	15	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	15	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	15	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	16	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	16	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	16	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	17	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	17	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	17	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	18	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	18	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	18	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	19	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	19	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	19	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.44
(2,1564)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.44
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	7	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	1	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	1	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	1	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	2	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	2	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	2	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	3	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	3	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	3	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	4	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	4	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	4	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	5	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	5	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	5	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	6	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	6	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	6	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	7	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	7	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	7	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	8	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	8	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	8	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	9	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	9	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	9	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	10	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	10	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	10	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	11	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	11	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	11	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	12	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	12	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	12	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	13	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	13	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	13	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	14	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	14	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	14	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	15	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	15	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	15	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	16	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	16	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	17	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	17	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	17	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	18	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	18	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	18	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	19	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	19	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	19	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.44
(2,1529)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.44
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	20	1.44
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	16	1.44
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	19	1.44
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	20	1.44
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	6	1.44
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	10	1.44
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	4	1.44
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	9	1.44
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	14	1.44
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	6	1.44
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	7	1.44
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	7	1.44
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	7	1.44
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	3	1.44
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	11	1.44
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	14	1.44
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	19	1.44
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	2	1.44
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	5	1.44
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	10	1.44
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	3	1.44
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	19	1.44
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	8	1.44
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	17	1.44
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	4	1.44
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	12	1.44
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	13	1.44
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	19	1.44
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	19	1.44
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	5	1.44
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	16	1.44
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	16	1.44
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	16	1.44
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	9	1.44
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	20	1.44
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	15	1.44
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	19	1.44
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	1	1.44
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	1	1.44
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	1	1.44
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	11	1.44
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	11	1.44
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	11	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	4	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	15	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	16	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	17	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	18	1.44
(2,738)	1:75:A:LEU:HB2	1:75:A:LEU:HB3	19	1.44
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	7	1.44
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	7	1.44
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	7	1.44
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	14	1.44
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	14	1.44
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	14	1.44
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	13	1.44
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	13	1.44
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	13	1.44
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	5	1.44
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	8	1.44
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	2	1.44
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	2	1.44
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	2	1.44
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	6	1.44
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	6	1.44
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	6	1.44
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	9	1.44
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	9	1.44
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	9	1.44
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	17	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	1	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	1	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	2	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	2	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	2	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	3	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	3	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	3	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	4	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	4	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	4	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	5	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	5	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	5	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	6	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	6	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	6	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	7	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	7	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	7	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	8	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	8	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	8	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	9	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	9	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	9	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	10	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	10	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	10	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	11	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	11	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	11	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	12	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	12	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	12	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	13	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	13	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	13	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	14	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	14	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	14	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	16	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	16	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	17	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	17	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	17	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	18	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	18	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	18	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	19	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	19	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	19	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	20	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	20	1.44
(2,485)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	20	1.44
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	11	1.44
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	5	1.44
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	17	1.44
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	17	1.44
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	17	1.44
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	16	1.44
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	16	1.44
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	16	1.44
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	5	1.44
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	5	1.44
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	5	1.44
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	8	1.44
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	17	1.44
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	17	1.44
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	17	1.44
(2,100)	1:47:A:LEU:HD11	1:47:A:LEU:HA	3	1.44
(2,100)	1:47:A:LEU:HD12	1:47:A:LEU:HA	3	1.44
(2,100)	1:47:A:LEU:HD13	1:47:A:LEU:HA	3	1.44
(2,100)	1:47:A:LEU:HD11	1:47:A:LEU:HA	9	1.44
(2,100)	1:47:A:LEU:HD12	1:47:A:LEU:HA	9	1.44
(2,100)	1:47:A:LEU:HD13	1:47:A:LEU:HA	9	1.44
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	16	1.44
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	16	1.44
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	16	1.44
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	11	1.44
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	8	1.44
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	8	1.44
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	17	1.44
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	17	1.44
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	17	1.44
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	15	1.44
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	15	1.44
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	15	1.44
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	3	1.44
(2,10)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	18	1.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	3	1.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	3	1.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	3	1.44
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	9	1.43
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	14	1.43
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	14	1.43
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	14	1.43
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	8	1.43
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	9	1.43
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	14	1.43
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	14	1.43
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	5	1.43
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	9	1.43
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	15	1.43
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	16	1.43
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	1	1.43
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	20	1.43
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	14	1.43
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	14	1.43
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	14	1.43
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	14	1.43
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	8	1.43
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	4	1.43
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	16	1.43
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	17	1.43
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	20	1.43
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	19	1.43
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	20	1.43
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	11	1.43
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	1	1.43
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	1	1.43
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	1	1.43
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	5	1.43
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	11	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	17	1.43
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	17	1.43
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	17	1.43
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	2	1.43
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	2	1.43
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	2	1.43
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	9	1.43
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	9	1.43
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	9	1.43
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	12	1.43
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	12	1.43
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	12	1.43
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	12	1.43
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	1	1.43
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	6	1.43
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	17	1.43
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	17	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	6	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	6	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	6	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	14	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	14	1.43
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	14	1.43
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	14	1.43
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	16	1.43
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	15	1.43
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	5	1.42
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	19	1.42
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	16	1.42
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	9	1.42
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	5	1.42
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	4	1.42
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	13	1.42
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	11	1.42
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	13	1.42
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	15	1.42
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	5	1.42
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	17	1.42
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	13	1.42
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	13	1.42
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	13	1.42
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	6	1.42
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	11	1.42
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	7	1.42
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	20	1.42
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	1	1.42
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	19	1.42
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	1	1.42
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	10	1.42
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	19	1.42
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	3	1.42
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	6	1.42
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	14	1.42
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	13	1.42
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	12	1.42
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	1	1.42
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	10	1.42
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	8	1.42
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	7	1.42
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	7	1.42
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	7	1.42
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	8	1.42
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	16	1.42
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	16	1.42
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	16	1.42
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	13	1.42
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	7	1.42
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	7	1.42
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	11	1.42
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	11	1.42
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	11	1.42
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	11	1.42
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	13	1.42
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	13	1.42
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	13	1.42
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	4	1.42
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	15	1.42
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	9	1.42
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	9	1.42
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	9	1.42
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	15	1.42
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	18	1.42
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	5	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	13	1.42
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	18	1.42
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	18	1.42
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	18	1.42
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	3	1.42
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	3	1.42
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	3	1.42
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	4	1.42
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	4	1.42
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	4	1.42
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	18	1.42
(2,278)	1:41:A:MET:HG3	1:112:A:LYS:HB3	12	1.42
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	15	1.42
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	15	1.42
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	15	1.42
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	4	1.42
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	4	1.42
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	4	1.42
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	8	1.42
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	8	1.42
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	8	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	14	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	14	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	14	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	15	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	15	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	15	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	18	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	18	1.42
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	18	1.42
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	11	1.42
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	8	1.42
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	11	1.41
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	17	1.41
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	17	1.41
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	17	1.41
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	20	1.41
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	20	1.41
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	20	1.41
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	11	1.41
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	14	1.41
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	11	1.41
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	13	1.41
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	4	1.41
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	6	1.41
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	12	1.41
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	11	1.41
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	8	1.41
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	8	1.41
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	8	1.41
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	5	1.41
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	6	1.41
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	10	1.41
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	19	1.41
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	3	1.41
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	3	1.41
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	11	1.41
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	11	1.41
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	12	1.41
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	12	1.41
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	20	1.41
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	20	1.41
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	15	1.41
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	8	1.41
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	10	1.41
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	11	1.41
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	12	1.41
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	12	1.41
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	12	1.41
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	1	1.41
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	7	1.41
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	15	1.41
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	15	1.41
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	15	1.41
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	7	1.41
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	20	1.41
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	1	1.41
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	16	1.41
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	11	1.41
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	9	1.41
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	2	1.41
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	14	1.41
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	14	1.41
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	1	1.41
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	15	1.41
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	15	1.41
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	15	1.41
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	11	1.41
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	11	1.41
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	11	1.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	11	1.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	11	1.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	11	1.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	11	1.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	11	1.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	11	1.41
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	16	1.41
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	16	1.41
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	16	1.41
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	4	1.41
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	5	1.41
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	5	1.41
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	5	1.41
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	5	1.41
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	13	1.41
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	13	1.41
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	13	1.41
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	20	1.41
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	20	1.41
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	20	1.41
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	12	1.41
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	14	1.41
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	18	1.41
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	10	1.41
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	10	1.41
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	10	1.41
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	17	1.41
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	17	1.41
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	17	1.41
(2,278)	1:41:A:MET:HG3	1:112:A:LYS:HB3	14	1.41
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	16	1.41
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	16	1.41
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	16	1.41
(2,100)	1:47:A:LEU:HD11	1:47:A:LEU:HA	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,100)	1:47:A:LEU:HD12	1:47:A:LEU:HA	12	1.41
(2,100)	1:47:A:LEU:HD13	1:47:A:LEU:HA	12	1.41
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	3	1.41
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	13	1.41
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	3	1.4
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	13	1.4
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	9	1.4
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	9	1.4
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	9	1.4
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	5	1.4
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	15	1.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	19	1.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	19	1.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	19	1.4
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	3	1.4
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	9	1.4
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	1	1.4
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	7	1.4
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	10	1.4
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	10	1.4
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	16	1.4
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	17	1.4
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	5	1.4
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	14	1.4
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	3	1.4
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	7	1.4
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	1	1.4
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	1	1.4
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	2	1.4
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	2	1.4
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	6	1.4
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	6	1.4
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	13	1.4
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	13	1.4
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	14	1.4
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	14	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	1	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	2	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	3	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	4	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	5	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	7	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	8	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	9	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	10	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	11	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	12	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	13	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	14	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	15	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	16	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	17	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	18	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	19	1.4
(2,1415)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	20	1.4
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	1	1.4
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	8	1.4
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	13	1.4
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	20	1.4
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	5	1.4
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	12	1.4
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	15	1.4
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	8	1.4
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	17	1.4
(2,1172)	1:104:A:LYS:HA	1:104:A:LYS:HB3	8	1.4
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	14	1.4
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	17	1.4
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	14	1.4
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	20	1.4
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	3	1.4
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	5	1.4
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	8	1.4
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	15	1.4
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	4	1.4
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	1	1.4
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	5	1.4
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	7	1.4
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	4	1.4
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	14	1.4
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	8	1.4
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	8	1.4
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	12	1.4
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	12	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	12	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	1	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	1	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	1	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	2	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	2	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	2	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	3	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	3	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	3	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	4	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	4	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	4	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	5	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	5	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	5	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	6	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	6	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	6	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	7	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	7	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	7	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	8	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	8	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	8	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	9	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	9	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	9	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	10	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	10	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	10	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	11	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	11	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	11	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	12	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	12	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	12	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	13	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	13	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	13	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	14	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	14	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	14	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	16	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	16	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	16	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	17	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	17	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	17	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	18	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	18	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	18	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	19	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	19	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	19	1.4
(2,881)	1:85:A:VAL:HG21	1:85:A:VAL:HB	20	1.4
(2,881)	1:85:A:VAL:HG22	1:85:A:VAL:HB	20	1.4
(2,881)	1:85:A:VAL:HG23	1:85:A:VAL:HB	20	1.4
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	15	1.4
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	15	1.4
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	15	1.4
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	12	1.4
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	12	1.4
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	12	1.4
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	20	1.4
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	10	1.4
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	2	1.4
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	18	1.4
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	18	1.4
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	18	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	7	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	7	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	7	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	9	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	9	1.4
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	9	1.4
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	18	1.4
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	5	1.4
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	1	1.4
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	1	1.4
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	1	1.4
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	3	1.4
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	7	1.4
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	18	1.4
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	11	1.4
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	16	1.4
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	17	1.4
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	11	1.4
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	16	1.4
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	16	1.4
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	16	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	3	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	3	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	3	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	6	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	6	1.4
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	6	1.4
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	13	1.4
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	16	1.4
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	19	1.4
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	13	1.4
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	12	1.4
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	18	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	8	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	8	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	8	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	11	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	11	1.4
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	11	1.4
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	11	1.4
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	11	1.4
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	11	1.4
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	4	1.4
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	20	1.4
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	20	1.4
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	20	1.4
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	2	1.4
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	2	1.4
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	2	1.4
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG11	12	1.4
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG12	12	1.4
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG13	12	1.4
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	1	1.39
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	5	1.39
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	5	1.39
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	1	1.39
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	15	1.39
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	15	1.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	8	1.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	8	1.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	8	1.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	8	1.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	8	1.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	8	1.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	8	1.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	8	1.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	8	1.39
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	18	1.39
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	4	1.39
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	1	1.39
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	4	1.39
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	19	1.39
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	7	1.39
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	7	1.39
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	7	1.39
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	13	1.39
(2,1460)	1:59:A:ILE:HG13	1:59:A:ILE:HB	18	1.39
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	16	1.39
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	16	1.39
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	17	1.39
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	17	1.39
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	19	1.39
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	19	1.39
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	11	1.39
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	19	1.39
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	8	1.39
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	8	1.39
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	8	1.39
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	8	1.39
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	8	1.39
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	8	1.39
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	8	1.39
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	8	1.39
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	8	1.39
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	1	1.39
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	19	1.39
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	9	1.39
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	2	1.39
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	14	1.39
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	13	1.39
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	16	1.39
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	10	1.39
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	12	1.39
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	12	1.39
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	14	1.39
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	11	1.39
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	11	1.39
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	11	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	1	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	1	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	1	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	2	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	2	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	2	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	3	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	3	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	3	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	4	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	4	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	4	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	5	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	5	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	5	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	6	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	6	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	6	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	7	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	7	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	7	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	8	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	8	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	8	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	9	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	9	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	9	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	10	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	10	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	10	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	11	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	11	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	11	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	13	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	13	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	13	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	14	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	14	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	14	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	15	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	15	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	15	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	16	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	16	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	16	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	17	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	17	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	17	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	18	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	18	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	18	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	19	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	19	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	19	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB1	20	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB2	20	1.39
(2,834)	1:82:A:ALA:HA	1:82:A:ALA:HB3	20	1.39
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	20	1.39
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	4	1.39
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	8	1.39
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	8	1.39
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	8	1.39
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	4	1.39
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	4	1.39
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	4	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	1	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	6	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	14	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	17	1.39
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	19	1.39
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	19	1.39
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	14	1.39
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	18	1.39
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	19	1.39
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	10	1.39
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	10	1.39
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	10	1.39
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	9	1.39
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	11	1.39
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	20	1.39
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	1	1.39
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	13	1.39
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	7	1.39
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	7	1.39
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	7	1.39
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	20	1.39
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	2	1.39
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	12	1.39
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	12	1.39
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	12	1.39
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	12	1.39
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	11	1.39
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	4	1.39
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	4	1.39
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	4	1.39
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	18	1.39
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	18	1.39
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	18	1.39
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	6	1.39
(2,100)	1:47:A:LEU:HD11	1:47:A:LEU:HA	7	1.39
(2,100)	1:47:A:LEU:HD12	1:47:A:LEU:HA	7	1.39
(2,100)	1:47:A:LEU:HD13	1:47:A:LEU:HA	7	1.39
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	14	1.39
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	14	1.39
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	14	1.39
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	12	1.39
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	12	1.39
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	12	1.39
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	15	1.39
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	15	1.39
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	15	1.39
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	4	1.39
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	4	1.39
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	15	1.38
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	5	1.38
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	9	1.38
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	13	1.38
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	13	1.38
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	11	1.38
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	13	1.38
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	8	1.38
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	9	1.38
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	1.38
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	1	1.38
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	16	1.38
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	18	1.38
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	7	1.38
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	7	1.38
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	13	1.38
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	17	1.38
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	17	1.38
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	17	1.38
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	5	1.38
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	4	1.38
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	18	1.38
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	10	1.38
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	5	1.38
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	9	1.38
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	13	1.38
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	11	1.38
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	15	1.38
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	4	1.38
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	18	1.38
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	20	1.38
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	20	1.38
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	20	1.38
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	3	1.38
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	10	1.38
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	10	1.38
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	16	1.38
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	7	1.38
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	7	1.38
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	7	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	8	1.38
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	8	1.38
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	8	1.38
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	17	1.38
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	17	1.38
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	17	1.38
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	3	1.38
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	16	1.38
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	12	1.38
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	18	1.38
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	18	1.38
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	18	1.38
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	18	1.38
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	4	1.38
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	4	1.38
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	4	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	2	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	3	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	4	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	5	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	7	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	8	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	9	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	10	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	11	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	12	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	13	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	15	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	16	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	18	1.38
(2,655)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	1.38
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	6	1.38
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	8	1.38
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	14	1.38
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	14	1.38
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	14	1.38
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	16	1.38
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	16	1.38
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	16	1.38
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	14	1.38
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	14	1.38
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	17	1.38
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	17	1.38
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	17	1.38
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	1	1.38
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	15	1.38
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	6	1.38
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	13	1.38
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	16	1.38
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	4	1.38
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	12	1.38
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	1	1.38
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	9	1.38
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	13	1.38
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	18	1.38
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	6	1.38
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	9	1.38
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	9	1.38
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	9	1.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	12	1.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	12	1.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	12	1.38
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	12	1.38
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	12	1.38
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	12	1.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	12	1.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	12	1.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	12	1.38
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	15	1.38
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	15	1.38
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	15	1.38
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	12	1.38
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	8	1.38
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	8	1.38
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	8	1.38
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	3	1.38
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	3	1.38
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	3	1.38
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	10	1.38
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	1	1.38
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	6	1.38
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	12	1.37
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	12	1.37
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	2	1.37
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	16	1.37
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	18	1.37
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	7	1.37
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	8	1.37
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	11	1.37
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	19	1.37
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	4	1.37
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	12	1.37
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	10	1.37
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	10	1.37
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	10	1.37
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	3	1.37
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	12	1.37
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	3	1.37
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	1	1.37
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	1	1.37
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	1	1.37
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	4	1.37
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	4	1.37
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	15	1.37
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	15	1.37
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	18	1.37
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	18	1.37
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	10	1.37
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	19	1.37
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	12	1.37
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	4	1.37
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	7	1.37
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	8	1.37
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	14	1.37
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	13	1.37
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	15	1.37
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	4	1.37
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	6	1.37
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	10	1.37
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	12	1.37
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	16	1.37
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	16	1.37
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	16	1.37
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	16	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	12	1.37
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	5	1.37
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	12	1.37
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	5	1.37
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	14	1.37
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	5	1.37
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	8	1.37
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	17	1.37
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	11	1.37
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	2	1.37
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	6	1.37
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	6	1.37
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	6	1.37
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	6	1.37
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	8	1.37
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	9	1.37
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	10	1.37
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	5	1.37
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	5	1.37
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	5	1.37
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	18	1.37
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	3	1.37
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	4	1.37
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	4	1.37
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	4	1.37
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	17	1.37
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	17	1.37
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	17	1.37
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	16	1.37
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	3	1.37
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	12	1.37
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	4	1.37
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	1	1.37
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	1	1.37
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	1	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	2	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	2	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	2	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	5	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	5	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	5	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	13	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	13	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	15	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	15	1.37
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	15	1.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	4	1.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	4	1.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	4	1.37
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	12	1.37
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	16	1.37
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	17	1.37
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	10	1.37
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	7	1.37
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	5	1.37
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	14	1.37
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	20	1.37
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	1.37
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	1.37
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	1.37
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	10	1.37
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	19	1.37
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	5	1.37
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	10	1.37
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	12	1.37
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	9	1.37
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	9	1.37
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	9	1.37
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	9	1.37
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	9	1.37
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	9	1.37
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	9	1.37
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	9	1.37
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	9	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	17	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	17	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	17	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	20	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	20	1.37
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	20	1.37
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	2	1.37
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	6	1.37
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	2	1.37
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	2	1.37
(2,268)	1:41:A:MET:HA	1:44:A:LYS:HB2	19	1.37
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	9	1.37
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	3	1.37
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	3	1.37
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	3	1.37
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	11	1.37
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	11	1.37
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	11	1.37
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	20	1.37
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	20	1.37
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	20	1.37
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	20	1.37
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	20	1.37
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	20	1.37
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	7	1.37
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	8	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	2	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	2	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	2	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	5	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	5	1.37
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	5	1.37
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	11	1.37
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	11	1.37
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	11	1.37
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG21	14	1.37
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG22	14	1.37
(1,1624)	1:67:A:GLY:H	1:70:A:VAL:HG23	14	1.37
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	14	1.37
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG11	14	1.37
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG12	14	1.37
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG13	14	1.37
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	1.37
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	1.37
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	1.37
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	15	1.36
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	2	1.36
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	13	1.36
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	4	1.36
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	13	1.36
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	13	1.36
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	16	1.36
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	16	1.36
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	13	1.36
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	6	1.36
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	1.36
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	1.36
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	1.36
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	4	1.36
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	9	1.36
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	16	1.36
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	18	1.36
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	7	1.36
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	7	1.36
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	9	1.36
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	9	1.36
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	13	1.36
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	13	1.36
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	13	1.36
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	1	1.36
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	5	1.36
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	15	1.36
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	5	1.36
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	5	1.36
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	5	1.36
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	16	1.36
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	3	1.36
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	4	1.36
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	19	1.36
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	11	1.36
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	16	1.36
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	3	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	1	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	2	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	5	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	7	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	9	1.36
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	19	1.36
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	15	1.36
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	15	1.36
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	9	1.36
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	9	1.36
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	9	1.36
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	1	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	4	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	5	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	8	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	9	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	14	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	18	1.36
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	20	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	1	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	4	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	8	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	9	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	18	1.36
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	20	1.36
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	5	1.36
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	1	1.36
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	3	1.36
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	9	1.36
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	2	1.36
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	2	1.36
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	2	1.36
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	4	1.36
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	4	1.36
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	4	1.36
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	10	1.36
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	10	1.36
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	10	1.36
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	3	1.36
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	16	1.36
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	16	1.36
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	16	1.36
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	17	1.36
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	17	1.36
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	17	1.36
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	2	1.36
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	2	1.36
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	2	1.36
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	19	1.36
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	16	1.36
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	16	1.36
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	16	1.36
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	11	1.36
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	16	1.36
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	16	1.36
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	16	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	3	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	3	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	3	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	16	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	16	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	16	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	17	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	17	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	17	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	18	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	18	1.36
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	18	1.36
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	5	1.36
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	20	1.36
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	10	1.36
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	19	1.36
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	2	1.36
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	2	1.36
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	2	1.36
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	8	1.36
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	3	1.36
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	7	1.36
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	17	1.36
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	14	1.36
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	8	1.36
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	5	1.36
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	5	1.36
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	15	1.36
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	15	1.36
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	15	1.36
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	17	1.36
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	17	1.36
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	17	1.36
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	13	1.36
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	13	1.36
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	11	1.36
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	11	1.36
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	11	1.36
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	1	1.36
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	20	1.36
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	9	1.36
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	9	1.36
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	9	1.36
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	20	1.35
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	15	1.35
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	10	1.35
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	19	1.35
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	8	1.35
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	5	1.35
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	5	1.35
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	18	1.35
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	7	1.35
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	7	1.35
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	13	1.35
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	4	1.35
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	18	1.35
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	19	1.35
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	11	1.35
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	5	1.35
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	7	1.35
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	7	1.35
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	7	1.35
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	17	1.35
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	17	1.35
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	17	1.35
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	6	1.35
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	2	1.35
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	5	1.35
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	7	1.35
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	20	1.35
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	3	1.35
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	8	1.35
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	13	1.35
(2,1122)	1:102:A:ILE:HB	1:102:A:ILE:HG13	17	1.35
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	7	1.35
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	3	1.35
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	20	1.35
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	2	1.35
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	16	1.35
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	16	1.35
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	16	1.35
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	16	1.35
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	16	1.35
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	16	1.35
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	16	1.35
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	16	1.35
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	16	1.35
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	11	1.35
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	16	1.35
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	19	1.35
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	1.35
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	3	1.35
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	3	1.35
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	3	1.35
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	15	1.35
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	15	1.35
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	15	1.35
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	1	1.35
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	6	1.35
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	7	1.35
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	17	1.35
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	12	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	1	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	4	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	8	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	13	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	14	1.35
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	15	1.35
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	8	1.35
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	8	1.35
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	8	1.35
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	1	1.35
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	1	1.35
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	1	1.35
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	1	1.35
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	1	1.35
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	1	1.35
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	1	1.35
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	1	1.35
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	14	1.35
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	11	1.35
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	11	1.35
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	11	1.35
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	1	1.35
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	4	1.35
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	15	1.35
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	19	1.35
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	19	1.35
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	19	1.35
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	19	1.35
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	8	1.35
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	8	1.35
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	8	1.35
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	14	1.35
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	2	1.35
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	14	1.35
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	14	1.35
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	14	1.35
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	14	1.35
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	5	1.35
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	13	1.35
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	12	1.35
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	7	1.35
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	7	1.35
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	7	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	7	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	7	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	7	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	13	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	13	1.35
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	13	1.35
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	12	1.35
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	12	1.35
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	12	1.35
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	6	1.35
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	6	1.35
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	6	1.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	8	1.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	8	1.35
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG11	15	1.35
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG12	15	1.35
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG13	15	1.35
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG11	15	1.35
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG12	15	1.35
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG13	15	1.35
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	15	1.34
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	20	1.34
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	8	1.34
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	8	1.34
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	8	1.34
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	4	1.34
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	16	1.34
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	19	1.34
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	13	1.34
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	9	1.34
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	14	1.34
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	19	1.34
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	19	1.34
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	19	1.34
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	19	1.34
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	19	1.34
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	19	1.34
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	19	1.34
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	19	1.34
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	19	1.34
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	15	1.34
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	8	1.34
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	8	1.34
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	6	1.34
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	17	1.34
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	9	1.34
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	5	1.34
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	11	1.34
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	15	1.34
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	17	1.34
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	12	1.34
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	20	1.34
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	11	1.34
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	11	1.34
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	11	1.34
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	9	1.34
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	12	1.34
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	16	1.34
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	16	1.34
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	16	1.34
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	10	1.34
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	10	1.34
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	10	1.34
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	6	1.34
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	19	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	6	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	10	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	11	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	13	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	17	1.34
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	19	1.34
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	5	1.34
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	4	1.34
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	4	1.34
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	4	1.34
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	5	1.34
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	5	1.34
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	5	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	4	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	5	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	7	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	8	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	10	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	12	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	13	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	17	1.34
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	18	1.34
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	9	1.34
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	9	1.34
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	9	1.34
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	13	1.34
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	13	1.34
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	13	1.34
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	18	1.34
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	18	1.34
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	8	1.34
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	17	1.34
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	17	1.34
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	17	1.34
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	7	1.34
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	16	1.34
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	6	1.34
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	12	1.34
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	3	1.34
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	18	1.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	19	1.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	19	1.34
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	19	1.34
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	6	1.34
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	6	1.34
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	6	1.34
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	5	1.34
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	5	1.34
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	5	1.34
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	14	1.34
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	2	1.34
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	8	1.34
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	1	1.34
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	12	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	1	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	3	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	5	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	6	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	8	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	10	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	11	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	12	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	13	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	14	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	15	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	16	1.34
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	19	1.34
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	10	1.34
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	8	1.34
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	13	1.34
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	13	1.34
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	13	1.34
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	13	1.34
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	13	1.34
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	13	1.34
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	13	1.34
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	13	1.34
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	10	1.34
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	10	1.34
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	10	1.34
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	8	1.34
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	7	1.34
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	1	1.34
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	1	1.34
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	1	1.34
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	7	1.34
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	7	1.34
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	7	1.34
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	11	1.34
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	2	1.34
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	2	1.34
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	2	1.34
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	13	1.34
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	13	1.34
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	13	1.34
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	17	1.34
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	17	1.34
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	17	1.34
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	15	1.34
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	15	1.34
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	15	1.34
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	16	1.33
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	9	1.33
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	9	1.33
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	9	1.33
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	1	1.33
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	1	1.33
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	1	1.33
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	17	1.33
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	10	1.33
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	18	1.33
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	2	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	2	1.33
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	12	1.33
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	17	1.33
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	17	1.33
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	17	1.33
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	5	1.33
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	19	1.33
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	14	1.33
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	16	1.33
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	17	1.33
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.33
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	9	1.33
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	12	1.33
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	5	1.33
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	7	1.33
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	15	1.33
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	14	1.33
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	14	1.33
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	9	1.33
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	9	1.33
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	6	1.33
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	8	1.33
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	14	1.33
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	12	1.33
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	19	1.33
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	11	1.33
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	13	1.33
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	14	1.33
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	1	1.33
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	7	1.33
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	4	1.33
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	5	1.33
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	8	1.33
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	14	1.33
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	19	1.33
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	17	1.33
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	20	1.33
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	12	1.33
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	13	1.33
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	19	1.33
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	6	1.33
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	15	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	5	1.33
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	5	1.33
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	5	1.33
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	13	1.33
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	15	1.33
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	10	1.33
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	2	1.33
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	14	1.33
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	8	1.33
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	8	1.33
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	8	1.33
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	6	1.33
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	6	1.33
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	6	1.33
(2,882)	1:85:A:VAL:HG21	1:82:A:ALA:HA	11	1.33
(2,882)	1:85:A:VAL:HG22	1:82:A:ALA:HA	11	1.33
(2,882)	1:85:A:VAL:HG23	1:82:A:ALA:HA	11	1.33
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	6	1.33
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	9	1.33
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	2	1.33
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	10	1.33
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	19	1.33
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	15	1.33
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	15	1.33
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	15	1.33
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	2	1.33
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	2	1.33
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	13	1.33
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	4	1.33
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	4	1.33
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	4	1.33
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	20	1.33
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	4	1.33
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	9	1.33
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	17	1.33
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	18	1.33
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	20	1.33
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	4	1.33
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	18	1.33
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	18	1.33
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	18	1.33
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	15	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	17	1.33
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	3	1.33
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	12	1.33
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	16	1.33
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	5	1.33
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	3	1.33
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	3	1.33
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	3	1.33
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	3	1.33
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	3	1.33
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	3	1.33
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	3	1.33
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	3	1.33
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	3	1.33
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	9	1.33
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	7	1.33
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	7	1.33
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	7	1.33
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	12	1.33
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	6	1.33
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	6	1.33
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	6	1.33
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	2	1.33
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	2	1.33
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	2	1.33
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	3	1.33
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	3	1.33
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	3	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	1	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	1	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	1	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	3	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	3	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	3	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	4	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	4	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	4	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	5	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	5	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	5	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	6	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	6	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	7	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	7	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	7	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	8	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	8	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	8	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	9	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	9	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	9	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	10	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	10	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	10	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	11	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	11	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	11	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	12	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	12	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	12	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	14	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	14	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	14	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	15	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	15	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	15	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	16	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	16	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	16	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	18	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	18	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	18	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	19	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	19	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	19	1.33
(2,30)	1:23:A:LEU:HD11	1:23:A:LEU:HG	20	1.33
(2,30)	1:23:A:LEU:HD12	1:23:A:LEU:HG	20	1.33
(2,30)	1:23:A:LEU:HD13	1:23:A:LEU:HG	20	1.33
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	18	1.33
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	18	1.33
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	18	1.33
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	17	1.33
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	17	1.33
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	8	1.33
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	14	1.33
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG11	14	1.33
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG12	14	1.33
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG13	14	1.33
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	19	1.32
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	19	1.32
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	8	1.32
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	9	1.32
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	20	1.32
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	20	1.32
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	20	1.32
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	11	1.32
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	14	1.32
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	12	1.32
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	9	1.32
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	16	1.32
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	2	1.32
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	15	1.32
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	15	1.32
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	15	1.32
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	18	1.32
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	18	1.32
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	18	1.32
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	2	1.32
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	2	1.32
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	2	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	1	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	2	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	3	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	4	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	5	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	6	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	7	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	8	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	10	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	11	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	12	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	13	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	14	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	16	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	17	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	18	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	19	1.32
(2,1416)	1:118:A:PHE:HB2	1:118:A:PHE:HB3	20	1.32
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	5	1.32
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	14	1.32
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	14	1.32
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	14	1.32
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	14	1.32
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	14	1.32
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	14	1.32
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	14	1.32
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	14	1.32
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	14	1.32
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	1	1.32
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	1	1.32
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	1	1.32
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	17	1.32
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	17	1.32
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	17	1.32
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	12	1.32
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	12	1.32
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	12	1.32
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	2	1.32
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	16	1.32
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	14	1.32
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	2	1.32
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	15	1.32
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	8	1.32
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	20	1.32
(2,1126)	1:102:A:ILE:HA	1:102:A:ILE:HG12	6	1.32
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	3	1.32
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	15	1.32
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	6	1.32
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	11	1.32
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	13	1.32
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	19	1.32
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	12	1.32
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	15	1.32
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	9	1.32
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	18	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	20	1.32
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	20	1.32
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	3	1.32
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	6	1.32
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	10	1.32
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	13	1.32
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	19	1.32
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	9	1.32
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	16	1.32
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	6	1.32
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	6	1.32
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	6	1.32
(2,924)	1:89:A:ILE:HG13	1:89:A:ILE:HB	14	1.32
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	9	1.32
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	7	1.32
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	5	1.32
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	14	1.32
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	14	1.32
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	14	1.32
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	4	1.32
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	2	1.32
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	10	1.32
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	18	1.32
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	18	1.32
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	18	1.32
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	2	1.32
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	2	1.32
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	2	1.32
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	11	1.32
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	11	1.32
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	11	1.32
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	19	1.32
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	1	1.32
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	1	1.32
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	1	1.32
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	17	1.32
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	15	1.32
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	18	1.32
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	2	1.32
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	5	1.32
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	15	1.32
(2,531)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	1	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	2	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	3	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	4	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	5	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	6	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	8	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	10	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	11	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	12	1.32
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	14	1.32
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	10	1.32
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	5	1.32
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	6	1.32
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	7	1.32
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	3	1.32
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	3	1.32
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	3	1.32
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	20	1.32
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	5	1.32
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	11	1.32
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	16	1.32
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	16	1.32
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	16	1.32
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	20	1.32
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	20	1.32
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	20	1.32
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	1	1.32
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	1	1.32
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	1	1.32
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	1	1.32
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	4	1.32
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG11	12	1.32
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG12	12	1.32
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG13	12	1.32
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	11	1.31
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	2	1.31
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	6	1.31
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	6	1.31
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	6	1.31
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	20	1.31
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	20	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	1	1.31
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	5	1.31
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	15	1.31
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	10	1.31
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	2	1.31
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	6	1.31
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	13	1.31
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	1	1.31
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	6	1.31
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	7	1.31
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	3	1.31
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	3	1.31
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	3	1.31
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	5	1.31
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	5	1.31
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	19	1.31
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	19	1.31
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	19	1.31
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	19	1.31
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	19	1.31
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	19	1.31
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	19	1.31
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	19	1.31
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	19	1.31
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	16	1.31
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	12	1.31
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	12	1.31
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	12	1.31
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	12	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	2	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	4	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	6	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	7	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	8	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	9	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	10	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	14	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	15	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	18	1.31
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	20	1.31
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	9	1.31
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	10	1.31
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	17	1.31
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	2	1.31
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	3	1.31
(2,1050)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	16	1.31
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	12	1.31
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	15	1.31
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	15	1.31
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	15	1.31
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	15	1.31
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	16	1.31
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	16	1.31
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	16	1.31
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	11	1.31
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	15	1.31
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	11	1.31
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	4	1.31
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	4	1.31
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	4	1.31
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	1	1.31
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	1	1.31
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	1	1.31
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	6	1.31
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	10	1.31
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	5	1.31
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	8	1.31
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	17	1.31
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	17	1.31
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	17	1.31
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	5	1.31
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	7	1.31
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	8	1.31
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	19	1.31
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	4	1.31
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	7	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	7	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	9	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	13	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	16	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	18	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	19	1.31
(2,508)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	20	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	3	1.31
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	13	1.31
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	1	1.31
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	5	1.31
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	19	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	1	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	2	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	3	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	4	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	5	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	6	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	7	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	8	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	9	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	10	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	11	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	12	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	13	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	14	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	15	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	16	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	17	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	18	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	19	1.31
(2,217)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.31
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	4	1.31
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	4	1.31
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	4	1.31
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	18	1.31
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	18	1.31
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	18	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	1	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	2	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	3	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	4	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	6	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	7	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	8	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	9	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	10	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	12	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	14	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	15	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	16	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	17	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	19	1.31
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	20	1.31
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	7	1.31
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	7	1.31
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	7	1.31
(1,1588)	1:34:A:LEU:H	1:29:A:SER:HB2	15	1.31
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	18	1.31
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	19	1.31
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	19	1.31
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	19	1.31
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	10	1.3
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	8	1.3
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	8	1.3
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	8	1.3
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	14	1.3
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	14	1.3
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	14	1.3
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	17	1.3
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	7	1.3
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	7	1.3
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	7	1.3
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	17	1.3
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	18	1.3
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	18	1.3
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	18	1.3
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	7	1.3
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	7	1.3
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	7	1.3
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	6	1.3
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	6	1.3
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	6	1.3
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	18	1.3
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	16	1.3
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	19	1.3
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	4	1.3
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	1	1.3
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	11	1.3
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	10	1.3
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	18	1.3
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	19	1.3
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	6	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	5	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	5	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	5	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	14	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	14	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	14	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	18	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	18	1.3
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	18	1.3
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	18	1.3
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	7	1.3
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	16	1.3
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	16	1.3
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	16	1.3
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	2	1.3
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	8	1.3
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	15	1.3
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	16	1.3
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	14	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	1	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	2	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	3	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	4	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	5	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	6	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	7	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	8	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	9	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	10	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	11	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	12	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	13	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	14	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	15	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	16	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	17	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	18	1.3
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1173)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	20	1.3
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	12	1.3
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	1	1.3
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	9	1.3
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	9	1.3
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	9	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	1	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	3	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	5	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	11	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	12	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	13	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	16	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	17	1.3
(2,1123)	1:102:A:ILE:HG12	1:102:A:ILE:HG13	19	1.3
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	14	1.3
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	14	1.3
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	14	1.3
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	12	1.3
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	18	1.3
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	10	1.3
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	19	1.3
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	18	1.3
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	18	1.3
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	18	1.3
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	5	1.3
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	18	1.3
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	20	1.3
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	1	1.3
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	12	1.3
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	1	1.3
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	1	1.3
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	1	1.3
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	11	1.3
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	4	1.3
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	9	1.3
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	19	1.3
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	11	1.3
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	9	1.3
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	17	1.3
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	17	1.3
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	17	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	17	1.3
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	17	1.3
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	17	1.3
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	4	1.3
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	4	1.3
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	4	1.3
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	4	1.3
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	4	1.3
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	4	1.3
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	2	1.3
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	9	1.3
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	6	1.3
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	6	1.3
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	6	1.3
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	6	1.3
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	9	1.3
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	10	1.3
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	11	1.3
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	13	1.3
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	18	1.3
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	9	1.3
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	11	1.3
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	13	1.3
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	17	1.3
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	9	1.3
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	4	1.3
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	5	1.3
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	5	1.3
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	5	1.3
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	10	1.3
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	11	1.3
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	11	1.3
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	11	1.3
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	4	1.3
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	17	1.3
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	17	1.3
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	17	1.3
(2,159)	1:64:A:LYS:HB2	1:67:A:GLY:HA2	13	1.3
(2,88)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	18	1.3
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	18	1.3
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	18	1.3
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	5	1.3
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	5	1.3
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	5	1.3
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	11	1.3
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	11	1.3
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	11	1.3
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	10	1.3
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	5	1.29
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	19	1.29
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	19	1.29
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	19	1.29
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	16	1.29
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	16	1.29
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	16	1.29
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	11	1.29
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	11	1.29
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	11	1.29
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	1	1.29
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	1	1.29
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	1	1.29
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	8	1.29
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	5	1.29
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	5	1.29
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	5	1.29
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	10	1.29
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	7	1.29
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	7	1.29
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	7	1.29
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	4	1.29
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	4	1.29
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	4	1.29
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	5	1.29
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	13	1.29
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	10	1.29
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	11	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	1	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	1	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	1	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	2	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	2	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	2	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	3	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	3	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	4	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	4	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	4	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	5	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	5	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	5	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	6	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	6	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	6	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	7	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	7	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	7	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	8	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	8	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	8	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	9	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	9	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	9	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	10	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	10	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	10	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	11	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	11	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	11	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	12	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	12	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	12	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	13	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	13	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	13	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	14	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	14	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	14	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	15	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	15	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	15	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	16	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	16	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	16	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	17	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	17	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	18	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	18	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	18	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	19	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	19	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	19	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD11	20	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD12	20	1.29
(2,1563)	1:89:A:ILE:HG13	1:89:A:ILE:HD13	20	1.29
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	3	1.29
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	14	1.29
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	17	1.29
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	19	1.29
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	19	1.29
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	19	1.29
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	10	1.29
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	7	1.29
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	16	1.29
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	16	1.29
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	16	1.29
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	16	1.29
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	16	1.29
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	16	1.29
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	16	1.29
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	16	1.29
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	16	1.29
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	16	1.29
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	3	1.29
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	18	1.29
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	6	1.29
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	9	1.29
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	18	1.29
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	8	1.29
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	12	1.29
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	17	1.29
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	20	1.29
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	17	1.29
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	18	1.29
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	8	1.29
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	1	1.29
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	1	1.29
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	1	1.29
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	8	1.29
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	2	1.29
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	3	1.29
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	15	1.29
(2,1052)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	16	1.29
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	1	1.29
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	7	1.29
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	16	1.29
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	9	1.29
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	4	1.29
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	11	1.29
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	15	1.29
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	3	1.29
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	1	1.29
(2,934)	1:89:A:ILE:HG12	1:89:A:ILE:H	1	1.29
(2,920)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.29
(2,920)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.29
(2,920)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.29
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	4	1.29
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	3	1.29
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	18	1.29
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	13	1.29
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	13	1.29
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	13	1.29
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	18	1.29
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	18	1.29
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	18	1.29
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	10	1.29
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	16	1.29
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	19	1.29
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	16	1.29
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	16	1.29
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	16	1.29
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	3	1.29
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	3	1.29
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	3	1.29
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	9	1.29
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	9	1.29
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	7	1.29
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	7	1.29
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	7	1.29
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	1	1.29
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	6	1.29
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	6	1.29
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	6	1.29
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	2	1.29
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	2	1.29
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	2	1.29
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	2	1.29
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	2	1.29
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	2	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	1	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	3	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	4	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	6	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	12	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	15	1.29
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	16	1.29
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	16	1.29
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	18	1.29
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	19	1.29
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	11	1.29
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	16	1.29
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	3	1.29
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	17	1.29
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	16	1.29
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	9	1.29
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	7	1.29
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	7	1.29
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	7	1.29
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	16	1.29
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	16	1.29
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	16	1.29
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	14	1.29
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	13	1.29
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	13	1.29
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	13	1.29
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	20	1.29
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	20	1.29
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	11	1.29
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	11	1.29
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	11	1.29
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	11	1.29
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	11	1.29
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	11	1.29
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	11	1.29
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	11	1.29
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	11	1.29
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	18	1.29
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	13	1.29
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	13	1.29
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	13	1.29
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	9	1.28
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	9	1.28
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	9	1.28
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	19	1.28
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	19	1.28
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	19	1.28
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	11	1.28
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	11	1.28
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	11	1.28
(2,2397)	1:68:A:PRO:HB3	1:70:A:VAL:H	9	1.28
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	13	1.28
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	2	1.28
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	1	1.28
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	2	1.28
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	2	1.28
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	2	1.28
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	12	1.28
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	12	1.28
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	12	1.28
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	20	1.28
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	12	1.28
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	12	1.28
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	12	1.28
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	9	1.28
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	9	1.28
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	9	1.28
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	9	1.28
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	9	1.28
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	9	1.28
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	9	1.28
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	9	1.28
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	20	1.28
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	8	1.28
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	19	1.28
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	19	1.28
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	19	1.28
(2,1287)	1:110:A:GLU:HB2	1:110:A:GLU:H	18	1.28
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	3	1.28
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	6	1.28
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	4	1.28
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	6	1.28
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	6	1.28
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	10	1.28
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	11	1.28
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	13	1.28
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	19	1.28
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	16	1.28
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	4	1.28
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	14	1.28
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	19	1.28
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	19	1.28
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	14	1.28
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	11	1.28
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	13	1.28
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	20	1.28
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	1	1.28
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	1	1.28
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	1	1.28
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	9	1.28
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	9	1.28
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	9	1.28
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	7	1.28
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	7	1.28
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	7	1.28
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	16	1.28
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	15	1.28
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	15	1.28
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	15	1.28
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	4	1.28
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	4	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	4	1.28
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	17	1.28
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	17	1.28
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	17	1.28
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	18	1.28
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	18	1.28
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	18	1.28
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	15	1.28
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	15	1.28
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	15	1.28
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	15	1.28
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	15	1.28
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	15	1.28
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	4	1.28
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	2	1.28
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	14	1.28
(2,596)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	20	1.28
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	17	1.28
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	3	1.28
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	12	1.28
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	12	1.28
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	12	1.28
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	15	1.28
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	15	1.28
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	15	1.28
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	13	1.28
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	5	1.28
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	13	1.28
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	14	1.28
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	20	1.28
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	8	1.28
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	8	1.28
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	8	1.28
(2,505)	1:66:A:LEU:HD21	1:63:A:LEU:HB2	4	1.28
(2,505)	1:66:A:LEU:HD22	1:63:A:LEU:HB2	4	1.28
(2,505)	1:66:A:LEU:HD23	1:63:A:LEU:HB2	4	1.28
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	7	1.28
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	19	1.28
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	17	1.28
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	7	1.28
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	15	1.28
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	20	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	6	1.28
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	7	1.28
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	6	1.28
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	6	1.28
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	6	1.28
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	6	1.28
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	6	1.28
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	6	1.28
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	6	1.28
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	6	1.28
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	6	1.28
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	11	1.28
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	12	1.28
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	10	1.28
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	16	1.28
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	16	1.28
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	16	1.28
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	5	1.28
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	5	1.28
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	5	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	1	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	2	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	3	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	4	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	5	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	6	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	7	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	8	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	9	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	10	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	11	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	12	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	13	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	15	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	16	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	17	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	18	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	19	1.28
(2,111)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	20	1.28
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	1	1.28
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	1	1.28
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	16	1.28
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	16	1.28
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	16	1.28
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	19	1.28
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	19	1.28
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	19	1.28
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	6	1.28
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	6	1.28
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	6	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	1	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	2	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	3	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	4	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	5	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	6	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	7	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	8	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	9	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	10	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	11	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	12	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	13	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	15	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	16	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	17	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	19	1.28
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	20	1.28
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	20	1.28
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	20	1.28
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	20	1.28
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	1	1.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	20	1.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	20	1.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	20	1.28
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	4	1.28
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	4	1.28
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	4	1.28
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	1	1.27
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	1	1.27
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	1	1.27
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	11	1.27
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	11	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	11	1.27
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	5	1.27
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	5	1.27
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	5	1.27
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	5	1.27
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	14	1.27
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	20	1.27
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	15	1.27
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	5	1.27
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	19	1.27
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	3	1.27
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	5	1.27
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	7	1.27
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	7	1.27
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	7	1.27
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	19	1.27
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	3	1.27
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	3	1.27
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	3	1.27
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	12	1.27
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	3	1.27
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	16	1.27
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	2	1.27
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	6	1.27
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	6	1.27
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	6	1.27
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	1	1.27
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	7	1.27
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	10	1.27
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	18	1.27
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	3	1.27
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	3	1.27
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	7	1.27
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	7	1.27
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	7	1.27
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	18	1.27
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	18	1.27
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	12	1.27
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	17	1.27
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	5	1.27
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	8	1.27
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	9	1.27
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	11	1.27
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	18	1.27
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	9	1.27
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	15	1.27
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	5	1.27
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	2	1.27
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	11	1.27
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	11	1.27
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	11	1.27
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	12	1.27
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	12	1.27
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	12	1.27
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	9	1.27
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	9	1.27
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	9	1.27
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	20	1.27
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	20	1.27
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	20	1.27
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	15	1.27
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	15	1.27
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	15	1.27
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	5	1.27
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	5	1.27
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	5	1.27
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	8	1.27
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	18	1.27
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	12	1.27
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	17	1.27
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	17	1.27
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	17	1.27
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	19	1.27
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	8	1.27
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	11	1.27
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	11	1.27
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	11	1.27
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	5	1.27
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	5	1.27
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	5	1.27
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	2	1.27
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	2	1.27
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	16	1.27
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	16	1.27
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	16	1.27
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	17	1.27
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	17	1.27
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	17	1.27
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	17	1.27
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	17	1.27
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	17	1.27
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	20	1.27
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	13	1.27
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	1	1.27
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	14	1.27
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	14	1.27
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	14	1.27
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	14	1.27
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	14	1.27
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	14	1.27
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	14	1.27
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	14	1.27
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	14	1.27
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	12	1.27
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	12	1.27
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	12	1.27
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	9	1.27
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	9	1.27
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	9	1.27
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	5	1.27
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	8	1.27
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	4	1.27
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	8	1.27
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	19	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	1	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	1	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	1	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	2	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	2	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	2	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	3	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	3	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	3	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	5	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	5	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	5	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	6	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	6	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	6	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	7	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	7	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	7	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	8	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	8	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	8	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	9	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	9	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	9	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	11	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	11	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	11	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	13	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	13	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	13	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	14	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	14	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	14	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	16	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	16	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	16	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	17	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	17	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	17	1.27
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	19	1.27
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	19	1.27
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	19	1.27
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	16	1.27
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	1	1.27
(2,518)	1:63:A:LEU:HB2	1:63:A:LEU:HG	17	1.27
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	1	1.27
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	2	1.27
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	12	1.27
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	7	1.27
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	9	1.27
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	19	1.27
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	7	1.27
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	7	1.27
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	3	1.27
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	8	1.27
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	13	1.27
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	1	1.27
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	1	1.27
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	1	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	1	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	2	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	3	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	4	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	5	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	6	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	7	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	8	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	9	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	10	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	13	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	14	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	15	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	16	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	17	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	18	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	19	1.27
(2,343)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	20	1.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	7	1.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	7	1.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	7	1.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	7	1.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	7	1.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	7	1.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	7	1.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	7	1.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	7	1.27
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	13	1.27
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	13	1.27
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	13	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	2	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	2	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	2	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	3	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	3	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	4	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	4	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	4	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	5	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	5	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	5	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	6	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	6	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	6	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	7	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	7	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	7	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	9	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	9	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	9	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	10	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	10	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	10	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	11	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	11	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	11	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	12	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	12	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	12	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	14	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	14	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	14	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	16	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	16	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	16	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	17	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	17	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	17	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	18	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	18	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	18	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	19	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	19	1.27
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	19	1.27
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	10	1.27
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	14	1.27
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	14	1.27
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	14	1.27
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	17	1.27
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	17	1.27
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	17	1.27
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	14	1.27
(2,84)	1:26:A:LEU:HB2	1:26:A:LEU:HB3	18	1.27
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	14	1.27
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	14	1.27
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	14	1.27
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	13	1.27
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	13	1.27
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	13	1.27
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG11	6	1.27
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG12	6	1.27
(1,562)	1:82:A:ALA:HA	1:85:A:VAL:HG13	6	1.27
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD11	12	1.27
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD12	12	1.27
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD13	12	1.27
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD11	12	1.27
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD12	12	1.27
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD13	12	1.27
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD11	12	1.27
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD12	12	1.27
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD13	12	1.27
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	6	1.26
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	18	1.26
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	17	1.26
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	17	1.26
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	17	1.26
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	2	1.26
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	16	1.26
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	16	1.26
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	16	1.26
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	20	1.26
(2,2453)	1:28:A:TRP:HB3	1:77:A:GLU:H	12	1.26
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	2	1.26
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	14	1.26
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	14	1.26
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	14	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	17	1.26
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	17	1.26
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	17	1.26
(2,2315)	1:47:A:LEU:HB2	1:46:A:ASN:H	13	1.26
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	13	1.26
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	20	1.26
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	5	1.26
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	11	1.26
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	1	1.26
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	11	1.26
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	4	1.26
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	10	1.26
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	20	1.26
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	20	1.26
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	20	1.26
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	2	1.26
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	13	1.26
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	17	1.26
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	16	1.26
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	16	1.26
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	16	1.26
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	15	1.26
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	15	1.26
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	15	1.26
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	19	1.26
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	11	1.26
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	4	1.26
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	5	1.26
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	20	1.26
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	14	1.26
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	20	1.26
(2,1200)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	2	1.26
(2,1200)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	2	1.26
(2,1200)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	2	1.26
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	4	1.26
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	9	1.26
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	13	1.26
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	13	1.26
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	13	1.26
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	1	1.26
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	1	1.26
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	3	1.26
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	15	1.26
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	16	1.26
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	14	1.26
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	16	1.26
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	15	1.26
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	9	1.26
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	20	1.26
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	8	1.26
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	13	1.26
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	10	1.26
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	10	1.26
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	10	1.26
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	17	1.26
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	5	1.26
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	17	1.26
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	16	1.26
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	16	1.26
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	14	1.26
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	14	1.26
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	14	1.26
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	8	1.26
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	8	1.26
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	8	1.26
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	5	1.26
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	10	1.26
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	12	1.26
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	8	1.26
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	8	1.26
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	8	1.26
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	5	1.26
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	5	1.26
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	5	1.26
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	13	1.26
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	13	1.26
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	13	1.26
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	5	1.26
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	5	1.26
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	5	1.26
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	16	1.26
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	16	1.26
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	16	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	9	1.26
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	9	1.26
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	9	1.26
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	15	1.26
(2,638)	1:71:A:LYS:HB2	1:71:A:LYS:H	11	1.26
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	7	1.26
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	7	1.26
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	7	1.26
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	8	1.26
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	8	1.26
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	8	1.26
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	16	1.26
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	16	1.26
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	16	1.26
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	9	1.26
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	11	1.26
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	16	1.26
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	17	1.26
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	20	1.26
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	4	1.26
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	4	1.26
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	4	1.26
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	10	1.26
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	10	1.26
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	10	1.26
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	18	1.26
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	18	1.26
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	18	1.26
(2,552)	1:66:A:LEU:HD11	1:66:A:LEU:HG	20	1.26
(2,552)	1:66:A:LEU:HD12	1:66:A:LEU:HG	20	1.26
(2,552)	1:66:A:LEU:HD13	1:66:A:LEU:HG	20	1.26
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	3	1.26
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	11	1.26
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	6	1.26
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	12	1.26
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	12	1.26
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	12	1.26
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	5	1.26
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	6	1.26
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	3	1.26
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	11	1.26
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	13	1.26
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	10	1.26
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	10	1.26
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	10	1.26
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	7	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	1	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	1	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	1	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	8	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	8	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	8	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	13	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	13	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	13	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	15	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	15	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	15	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD11	20	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD12	20	1.26
(2,216)	1:89:A:ILE:HG12	1:89:A:ILE:HD13	20	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	12	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	12	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	12	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	18	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	18	1.26
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	18	1.26
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	9	1.26
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	11	1.26
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	16	1.26
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	16	1.26
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	16	1.26
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	1	1.25
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	7	1.25
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	15	1.25
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	2	1.25
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	2	1.25
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	2	1.25
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	17	1.25
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	8	1.25
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	20	1.25
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	1	1.25
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	10	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	5	1.25
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	5	1.25
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	5	1.25
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	9	1.25
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	20	1.25
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	2	1.25
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	19	1.25
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	18	1.25
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	12	1.25
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	13	1.25
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	2	1.25
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	2	1.25
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	8	1.25
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	13	1.25
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	16	1.25
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	4	1.25
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	9	1.25
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	9	1.25
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	19	1.25
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	2	1.25
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	7	1.25
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	16	1.25
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	4	1.25
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	4	1.25
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	4	1.25
(2,1042)	1:99:A:PRO:HD2	1:99:A:PRO:HG2	2	1.25
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	14	1.25
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	3	1.25
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	17	1.25
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	2	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	3	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	6	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	8	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	10	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	14	1.25
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	16	1.25
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	2	1.25
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	12	1.25
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	8	1.25
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	7	1.25
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	7	1.25
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	13	1.25
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	9	1.25
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	9	1.25
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	9	1.25
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	13	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	1	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	2	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	3	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	4	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	5	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	8	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	9	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	11	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	12	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	13	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	14	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	15	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	17	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	18	1.25
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	19	1.25
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	9	1.25
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	5	1.25
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	11	1.25
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	11	1.25
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	11	1.25
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	11	1.25
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	11	1.25
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	11	1.25
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	11	1.25
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	11	1.25
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	11	1.25
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	18	1.25
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	1	1.25
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	19	1.25
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	4	1.25
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	20	1.25
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	20	1.25
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	20	1.25
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	7	1.25
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	10	1.25
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	18	1.25
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	6	1.25
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	9	1.25
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	10	1.25
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	9	1.25
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	14	1.25
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	2	1.25
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	17	1.25
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	2	1.25
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	17	1.25
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	3	1.25
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	3	1.25
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	3	1.25
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	4	1.25
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	17	1.25
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	1	1.25
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	2	1.25
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	7	1.25
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	12	1.25
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	19	1.25
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	15	1.25
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	19	1.25
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	15	1.25
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	9	1.25
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	9	1.25
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	9	1.25
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	15	1.25
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	15	1.25
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	15	1.25
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	8	1.25
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	15	1.25
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	15	1.25
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	15	1.25
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	6	1.25
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	6	1.25
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	6	1.25
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	1	1.25
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	2	1.25
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	11	1.25
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	12	1.25
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	15	1.25
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG21	13	1.25
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG22	13	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG23	13	1.25
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG21	13	1.25
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG22	13	1.25
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG23	13	1.25
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG21	13	1.25
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG22	13	1.25
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG23	13	1.25
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	12	1.24
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	4	1.24
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	7	1.24
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	7	1.24
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	7	1.24
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	2	1.24
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	2	1.24
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	2	1.24
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	8	1.24
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	17	1.24
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	10	1.24
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	3	1.24
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	17	1.24
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	14	1.24
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	12	1.24
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	13	1.24
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	13	1.24
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	13	1.24
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	20	1.24
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	5	1.24
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	15	1.24
(2,1465)	1:59:A:ILE:H	1:59:A:ILE:HB	12	1.24
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	10	1.24
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	4	1.24
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	6	1.24
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	8	1.24
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	11	1.24
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	16	1.24
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	6	1.24
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	4	1.24
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	12	1.24
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	18	1.24
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	18	1.24
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	18	1.24
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	7	1.24
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	16	1.24
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	20	1.24
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	6	1.24
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	19	1.24
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	11	1.24
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	5	1.24
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	14	1.24
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	12	1.24
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	15	1.24
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	2	1.24
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	16	1.24
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	20	1.24
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	8	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	1	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	2	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	4	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	5	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	7	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	9	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	11	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	12	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	13	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	15	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	17	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	18	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	19	1.24
(2,995)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	20	1.24
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	4	1.24
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	4	1.24
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	13	1.24
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	13	1.24
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	13	1.24
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	20	1.24
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	20	1.24
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	20	1.24
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	15	1.24
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	8	1.24
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	8	1.24
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	8	1.24
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	16	1.24
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	16	1.24
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	16	1.24
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	16	1.24
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	16	1.24
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	16	1.24
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	16	1.24
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	16	1.24
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	5	1.24
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	7	1.24
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	6	1.24
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	7	1.24
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	10	1.24
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	16	1.24
(2,814)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	1.24
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	14	1.24
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	2	1.24
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	2	1.24
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	2	1.24
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	2	1.24
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	10	1.24
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	14	1.24
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	15	1.24
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	4	1.24
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	13	1.24
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	12	1.24
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	19	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	1	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	3	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	5	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	6	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	8	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	9	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	10	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	11	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	12	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	13	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	14	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	15	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	16	1.24
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	19	1.24
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	9	1.24
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	9	1.24
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	9	1.24
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	10	1.24
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	13	1.24
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	3	1.24
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	14	1.24
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	19	1.24
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	9	1.24
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	19	1.24
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	19	1.24
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	19	1.24
(2,278)	1:41:A:MET:HG3	1:112:A:LYS:HB3	20	1.24
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	19	1.24
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	19	1.24
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	19	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	3	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	3	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	3	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	4	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	4	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	4	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	8	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	8	1.24
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	8	1.24
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	18	1.24
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	18	1.24
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	18	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	3	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	4	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	5	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	6	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	7	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	8	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	9	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	10	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	13	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	14	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	15	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	16	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	17	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	18	1.24
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:23:A:LEU:HB2	1:23:A:LEU:HB3	20	1.24
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	7	1.24
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	2	1.24
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	2	1.24
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	2	1.24
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	18	1.23
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	19	1.23
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	7	1.23
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	1	1.23
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	8	1.23
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	14	1.23
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	14	1.23
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	14	1.23
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	2	1.23
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	9	1.23
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	9	1.23
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	9	1.23
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	15	1.23
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	8	1.23
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	9	1.23
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	12	1.23
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	10	1.23
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	10	1.23
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	10	1.23
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	9	1.23
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	9	1.23
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	9	1.23
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	9	1.23
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	9	1.23
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	9	1.23
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	9	1.23
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	9	1.23
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	9	1.23
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	8	1.23
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	20	1.23
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	13	1.23
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	13	1.23
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	13	1.23
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	1	1.23
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	3	1.23
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	15	1.23
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	4	1.23
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	4	1.23
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	4	1.23
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	7	1.23
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	18	1.23
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	11	1.23
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	12	1.23
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	3	1.23
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	10	1.23
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	20	1.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	1	1.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	1	1.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	1	1.23
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	4	1.23
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	8	1.23
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	9	1.23
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	18	1.23
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	20	1.23
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	15	1.23
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	5	1.23
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	5	1.23
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	5	1.23
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	5	1.23
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	18	1.23
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	2	1.23
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	7	1.23
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	7	1.23
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	7	1.23
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	9	1.23
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	9	1.23
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	9	1.23
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	19	1.23
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	11	1.23
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	18	1.23
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	19	1.23
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	19	1.23
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	3	1.23
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	3	1.23
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	3	1.23
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	7	1.23
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	16	1.23
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	16	1.23
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	11	1.23
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	18	1.23
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	20	1.23
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	1	1.23
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	3	1.23
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	18	1.23
(2,807)	1:36:A:GLU:HG3	1:36:A:GLU:H	2	1.23
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	5	1.23
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	15	1.23
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	15	1.23
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	15	1.23
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	10	1.23
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	10	1.23
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	10	1.23
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	1	1.23
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	1	1.23
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	1	1.23
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	16	1.23
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	7	1.23
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	8	1.23
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	4	1.23
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	4	1.23
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	4	1.23
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	1	1.23
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	3	1.23
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	6	1.23
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	15	1.23
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	16	1.23
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	12	1.23
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	1	1.23
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	4	1.23
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	7	1.23
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	17	1.23
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	18	1.23
(2,538)	1:66:A:LEU:HB2	1:66:A:LEU:HB3	20	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	2	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	2	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	2	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	11	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	11	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	11	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	19	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	19	1.23
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	19	1.23
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	8	1.23
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	14	1.23
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	5	1.23
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	6	1.23
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	20	1.23
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	4	1.23
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	2	1.23
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	12	1.23
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	12	1.23
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	12	1.23
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	11	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	1	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	3	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	4	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	5	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	6	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	7	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	8	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	9	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	10	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	11	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	12	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	13	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	14	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	15	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	16	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	17	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	19	1.23
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	20	1.23
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	13	1.23
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	13	1.23
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	13	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	1	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	1	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	1	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	5	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	5	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	5	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	9	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	9	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	9	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	10	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	10	1.23
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	10	1.23
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	15	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	15	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	15	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	15	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	18	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	18	1.23
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	18	1.23
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	7	1.23
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	1	1.23
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	1	1.23
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	1	1.23
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	1	1.23
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	1	1.23
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	1	1.23
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	1	1.23
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	1	1.23
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	1	1.23
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	16	1.23
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	20	1.23
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	19	1.23
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG11	6	1.23
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG12	6	1.23
(1,565)	1:86:A:LYS:H	1:85:A:VAL:HG13	6	1.23
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	5	1.22
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	9	1.22
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	9	1.22
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	9	1.22
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	5	1.22
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	5	1.22
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	5	1.22
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	13	1.22
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	3	1.22
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	6	1.22
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1790)	1:62:A:ILE:H	1:62:A:ILE:HG13	3	1.22
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	11	1.22
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	6	1.22
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	1	1.22
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	3	1.22
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	3	1.22
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	3	1.22
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	10	1.22
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	10	1.22
(2,1419)	1:118:A:PHE:HD1	1:118:A:PHE:HB3	10	1.22
(2,1419)	1:118:A:PHE:HD2	1:118:A:PHE:HB3	10	1.22
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	9	1.22
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	14	1.22
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	3	1.22
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	5	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	12	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	12	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	12	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	12	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	12	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	12	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	12	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	12	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	12	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	20	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	20	1.22
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	20	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	20	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	20	1.22
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	20	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	20	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	20	1.22
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	20	1.22
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	11	1.22
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	11	1.22
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	11	1.22
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	16	1.22
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	13	1.22
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	13	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	1	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	2	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	4	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	5	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	6	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	7	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	8	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	9	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	10	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	11	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	12	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	13	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	14	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	15	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	16	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	17	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	19	1.22
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	20	1.22
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	9	1.22
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	9	1.22
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	9	1.22
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	8	1.22
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	19	1.22
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	12	1.22
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	8	1.22
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	1	1.22
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	10	1.22
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	11	1.22
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	13	1.22
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	15	1.22
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	8	1.22
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	11	1.22
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	11	1.22
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	11	1.22
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	12	1.22
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	12	1.22
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	12	1.22
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	5	1.22
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	5	1.22
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	1	1.22
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	7	1.22
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	14	1.22
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	14	1.22
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	17	1.22
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	17	1.22
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	17	1.22
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	6	1.22
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	16	1.22
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	5	1.22
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	17	1.22
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	17	1.22
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	17	1.22
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	17	1.22
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	16	1.22
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	16	1.22
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	16	1.22
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	11	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	2	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	4	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	5	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	6	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	7	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	8	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	9	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	10	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	11	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	12	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	13	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	14	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	15	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	16	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	17	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	19	1.22
(2,811)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	1.22
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	7	1.22
(2,795)	1:77:A:GLU:HB2	1:77:A:GLU:HA	17	1.22
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	15	1.22
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	15	1.22
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	15	1.22
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	9	1.22
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	9	1.22
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	9	1.22
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	1	1.22
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	1	1.22
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	9	1.22
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	11	1.22
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	1	1.22
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	16	1.22
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	16	1.22
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	16	1.22
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	16	1.22
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	16	1.22
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	16	1.22
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	3	1.22
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	3	1.22
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	3	1.22
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	16	1.22
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	16	1.22
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	16	1.22
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	13	1.22
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	13	1.22
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	13	1.22
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	2	1.22
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	1	1.22
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	15	1.22
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	6	1.22
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	1	1.22
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	9	1.22
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	6	1.22
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	15	1.22
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	16	1.22
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	18	1.22
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	1.22
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	4	1.22
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	10	1.22
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	17	1.22
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	19	1.22
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	14	1.22
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	6	1.22
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	16	1.22
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	2	1.22
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	2	1.22
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	12	1.22
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	12	1.22
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	12	1.22
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	8	1.22
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	8	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	1	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	1	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	1	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	2	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	2	1.22
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	2	1.22
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	16	1.22
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	2	1.22
(2,276)	1:41:A:MET:HG2	1:41:A:MET:HG3	18	1.22
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	15	1.22
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	1	1.22
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	4	1.22
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	9	1.22
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	9	1.22
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	9	1.22
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	9	1.22
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	9	1.22
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	9	1.22
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	16	1.22
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	16	1.22
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	16	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	7	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	7	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	7	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	13	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	13	1.22
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	13	1.22
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	11	1.22
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	11	1.22
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	11	1.22
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	11	1.22
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	13	1.21
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	17	1.21
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	17	1.21
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	17	1.21
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	18	1.21
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	18	1.21
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	18	1.21
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	10	1.21
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	10	1.21
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	2	1.21
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	2	1.21
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	14	1.21
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	14	1.21
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	2	1.21
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	2	1.21
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	2	1.21
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	12	1.21
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	13	1.21
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	13	1.21
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	13	1.21
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	13	1.21
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	13	1.21
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	13	1.21
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	13	1.21
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	13	1.21
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	13	1.21
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	8	1.21
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	9	1.21
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	16	1.21
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	14	1.21
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	14	1.21
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	14	1.21
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	14	1.21
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	14	1.21
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	14	1.21
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	14	1.21
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	14	1.21
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	14	1.21
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	3	1.21
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	8	1.21
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	16	1.21
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	2	1.21
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	15	1.21
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	15	1.21
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	15	1.21
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	15	1.21
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	15	1.21
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	15	1.21
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	15	1.21
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	15	1.21
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	6	1.21
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	6	1.21
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	6	1.21
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	8	1.21
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	8	1.21
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	8	1.21
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	18	1.21
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	3	1.21
(2,1292)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	18	1.21
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	8	1.21
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	8	1.21
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	8	1.21
(2,1209)	1:105:A:VAL:HG11	1:110:A:GLU:HG2	18	1.21
(2,1209)	1:105:A:VAL:HG12	1:110:A:GLU:HG2	18	1.21
(2,1209)	1:105:A:VAL:HG13	1:110:A:GLU:HG2	18	1.21
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	4	1.21
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	4	1.21
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	4	1.21
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	16	1.21
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	16	1.21
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	16	1.21
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	17	1.21
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	1	1.21
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	2	1.21
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	14	1.21
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	20	1.21
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	9	1.21
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	5	1.21
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	19	1.21
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	5	1.21
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	19	1.21
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	12	1.21
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	9	1.21
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	5	1.21
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	6	1.21
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	11	1.21
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	13	1.21
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	19	1.21
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	9	1.21
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	9	1.21
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	9	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	16	1.21
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	16	1.21
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	16	1.21
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	1	1.21
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	13	1.21
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	3	1.21
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	5	1.21
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	12	1.21
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	18	1.21
(2,892)	1:86:A:LYS:HA	1:86:A:LYS:HD2	9	1.21
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	9	1.21
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	9	1.21
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	9	1.21
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	17	1.21
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	17	1.21
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	17	1.21
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	9	1.21
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	12	1.21
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	12	1.21
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	12	1.21
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	20	1.21
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	4	1.21
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	4	1.21
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	4	1.21
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	17	1.21
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	17	1.21
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	17	1.21
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	5	1.21
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	5	1.21
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	5	1.21
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	13	1.21
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	8	1.21
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	8	1.21
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	8	1.21
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	20	1.21
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	20	1.21
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	20	1.21
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	18	1.21
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	18	1.21
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	18	1.21
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	7	1.21
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	7	1.21
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	17	1.21
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	8	1.21
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	10	1.21
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	10	1.21
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	10	1.21
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	14	1.21
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	14	1.21
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	14	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	1	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	1	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	1	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	2	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	2	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	2	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	3	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	3	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	3	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	4	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	4	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	4	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	5	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	5	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	5	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	6	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	6	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	6	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	7	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	7	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	7	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	8	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	8	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	8	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	9	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	9	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	9	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	10	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	10	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	10	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	11	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	11	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	12	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	12	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	12	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	13	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	13	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	13	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	14	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	14	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	14	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	15	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	15	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	15	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	16	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	16	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	16	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	17	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	17	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	17	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	18	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	18	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	18	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	19	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	19	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	19	1.21
(2,613)	1:70:A:VAL:HG21	1:70:A:VAL:HB	20	1.21
(2,613)	1:70:A:VAL:HG22	1:70:A:VAL:HB	20	1.21
(2,613)	1:70:A:VAL:HG23	1:70:A:VAL:HB	20	1.21
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	4	1.21
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	13	1.21
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	20	1.21
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	18	1.21
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	15	1.21
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	15	1.21
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	15	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	13	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	13	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	13	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	14	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	14	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	14	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	16	1.21
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	16	1.21
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	1	1.21
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	15	1.21
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	17	1.21
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	19	1.21
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	20	1.21
(2,488)	1:62:A:ILE:HB	1:62:A:ILE:HG13	11	1.21
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	9	1.21
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	13	1.21
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	20	1.21
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	1	1.21
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	4	1.21
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	9	1.21
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	13	1.21
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	14	1.21
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	17	1.21
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	20	1.21
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB1	5	1.21
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB2	5	1.21
(2,311)	1:47:A:LEU:HG	1:45:A:ALA:HB3	5	1.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	4	1.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	4	1.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	4	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	13	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	13	1.21
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	13	1.21
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	7	1.21
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	18	1.21
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	17	1.21
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	1	1.21
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	8	1.21
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	8	1.21
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	8	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	9	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	9	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	9	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	14	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	14	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	17	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	17	1.21
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	17	1.21
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	15	1.21
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	15	1.21
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	15	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	6	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	6	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	6	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	19	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	19	1.21
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	19	1.21
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	2	1.21
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	2	1.21
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	2	1.21
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	9	1.2
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	9	1.2
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	9	1.2
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	5	1.2
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	12	1.2
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	13	1.2
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	15	1.2
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	15	1.2
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	15	1.2
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	20	1.2
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	20	1.2
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	20	1.2
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	16	1.2
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	19	1.2
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	19	1.2
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	19	1.2
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	8	1.2
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	14	1.2
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	14	1.2
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	14	1.2
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	20	1.2
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	20	1.2
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	20	1.2
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	5	1.2
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	18	1.2
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	11	1.2
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	2	1.2
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	2	1.2
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	2	1.2
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	2	1.2
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	2	1.2
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	2	1.2
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	2	1.2
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	2	1.2
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	2	1.2
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	3	1.2
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	3	1.2
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	3	1.2
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	6	1.2
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	9	1.2
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	6	1.2
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	12	1.2
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	5	1.2
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	15	1.2
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	6	1.2
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	16	1.2
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	8	1.2
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	2	1.2
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	19	1.2
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	10	1.2
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	17	1.2
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	1	1.2
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	1	1.2
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	1	1.2
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	16	1.2
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	5	1.2
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	12	1.2
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	12	1.2
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	12	1.2
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	10	1.2
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	2	1.2
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	8	1.2
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	20	1.2
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	15	1.2
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	15	1.2
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	15	1.2
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	8	1.2
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	16	1.2
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	3	1.2
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	3	1.2
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	3	1.2
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	20	1.2
(2,740)	1:75:A:LEU:H	1:75:A:LEU:HB2	11	1.2
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	15	1.2
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	2	1.2
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	2	1.2
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	2	1.2
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	2	1.2
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	2	1.2
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	2	1.2
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	9	1.2
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	3	1.2
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	2	1.2
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	7	1.2
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	7	1.2
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	7	1.2
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	12	1.2
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	12	1.2
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	12	1.2
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	9	1.2
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	9	1.2
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	9	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	1	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	1	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	1	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	2	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	2	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	2	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	3	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	3	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	3	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	4	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	4	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	4	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	5	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	5	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	5	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	6	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	6	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	7	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	7	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	7	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	8	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	8	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	8	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	9	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	9	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	9	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	10	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	10	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	10	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	11	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	11	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	11	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	12	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	12	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	12	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	15	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	15	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	15	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	16	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	16	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	16	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	17	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	17	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	17	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	18	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	18	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	18	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	19	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	19	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	19	1.2
(2,617)	1:70:A:VAL:HG11	1:70:A:VAL:HB	20	1.2
(2,617)	1:70:A:VAL:HG12	1:70:A:VAL:HB	20	1.2
(2,617)	1:70:A:VAL:HG13	1:70:A:VAL:HB	20	1.2
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	19	1.2
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	19	1.2
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	19	1.2
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	17	1.2
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	17	1.2
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	16	1.2
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	4	1.2
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	4	1.2
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	4	1.2
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	10	1.2
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	10	1.2
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	10	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	4	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	4	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	4	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	6	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	6	1.2
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	6	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	2	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	3	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	4	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	5	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	6	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	7	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	8	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	10	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	11	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	12	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	13	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	14	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	16	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	18	1.2
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	20	1.2
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	18	1.2
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	20	1.2
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	8	1.2
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	14	1.2
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	15	1.2
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	16	1.2
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	18	1.2
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	13	1.2
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	4	1.2
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	12	1.2
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	10	1.2
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	12	1.2
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	4	1.2
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	6	1.2
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	4	1.2
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	4	1.2
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	4	1.2
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	4	1.2
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	4	1.2
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	4	1.2
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	4	1.2
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	4	1.2
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	4	1.2
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	19	1.2
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	19	1.2
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	19	1.2
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	14	1.2
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	14	1.2
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	14	1.2
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	14	1.2
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	14	1.2
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	14	1.2
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	14	1.2
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	14	1.2
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	14	1.2
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	14	1.2
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	14	1.2
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	14	1.2
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD21	19	1.2
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD22	19	1.2
(2,87)	1:26:A:LEU:HB3	1:26:A:LEU:HD23	19	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	8	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	8	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	8	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	19	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	19	1.2
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	19	1.2
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	13	1.2
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	17	1.2
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	17	1.2
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	17	1.2
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	18	1.2
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	18	1.2
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	17	1.2
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	17	1.2
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	17	1.2
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	7	1.2
(1,1580)	1:86:A:LYS:H	1:87:A:LYS:HB2	20	1.2
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	19	1.2
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	19	1.2
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	19	1.2
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	19	1.19
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	19	1.19
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	19	1.19
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	16	1.19
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	13	1.19
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	10	1.19
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	9	1.19
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	4	1.19
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	4	1.19
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	4	1.19
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	2	1.19
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	7	1.19
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	7	1.19
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	15	1.19
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	15	1.19
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	15	1.19
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	4	1.19
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	1	1.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	14	1.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	14	1.19
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	14	1.19
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	14	1.19
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	2	1.19
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	16	1.19
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	16	1.19
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	16	1.19
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	13	1.19
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	13	1.19
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	13	1.19
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	13	1.19
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	13	1.19
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	13	1.19
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	13	1.19
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	13	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	1	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	2	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	12	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	17	1.19
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	19	1.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	20	1.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	20	1.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	20	1.19
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	9	1.19
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	17	1.19
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	18	1.19
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	13	1.19
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	13	1.19
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	13	1.19
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	20	1.19
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	12	1.19
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	11	1.19
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	19	1.19
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	14	1.19
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	16	1.19
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	7	1.19
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	14	1.19
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	18	1.19
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	2	1.19
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	17	1.19
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	6	1.19
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	5	1.19
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	5	1.19
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	5	1.19
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	13	1.19
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	3	1.19
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	14	1.19
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	12	1.19
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	14	1.19
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	14	1.19
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	14	1.19
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	3	1.19
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	3	1.19
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	3	1.19
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	17	1.19
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	19	1.19
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	20	1.19
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	3	1.19
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	18	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	1	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	1	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	1	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	8	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	8	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	8	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	9	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	9	1.19
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	9	1.19
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	13	1.19
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	4	1.19
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	14	1.19
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	17	1.19
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	17	1.19
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	17	1.19
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	9	1.19
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	9	1.19
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	9	1.19
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	12	1.19
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	12	1.19
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	12	1.19
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	14	1.19
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	14	1.19
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	14	1.19
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	15	1.19
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	15	1.19
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	15	1.19
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	5	1.19
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	4	1.19
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	12	1.19
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	12	1.19
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	12	1.19
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	5	1.19
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	5	1.19
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	5	1.19
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	5	1.19
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	5	1.19
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	10	1.19
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	10	1.19
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	10	1.19
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	5	1.19
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	11	1.19
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	20	1.19
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	15	1.19
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	3	1.19
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	9	1.19
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	9	1.19
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	19	1.19
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	1	1.19
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	6	1.19
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	15	1.19
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	8	1.19
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	8	1.19
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	8	1.19
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	18	1.19
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	18	1.19
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	18	1.19
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	20	1.19
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	20	1.19
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	20	1.19
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	2	1.19
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	1.19
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	1.19
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	1.19
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	9	1.19
(2,504)	1:63:A:LEU:HB2	1:63:A:LEU:HB3	19	1.19
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	7	1.19
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	16	1.19
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	11	1.19
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	18	1.19
(2,482)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	1.19
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	1	1.19
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	4	1.19
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	8	1.19
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	9	1.19
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	20	1.19
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	8	1.19
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	18	1.19
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	14	1.19
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	14	1.19
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	16	1.19
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	16	1.19
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	16	1.19
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	11	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	7	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	7	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	7	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	14	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	14	1.19
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	14	1.19
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	16	1.19
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	19	1.19
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	8	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	1	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	2	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	3	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	4	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	5	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	6	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	7	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	8	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	9	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	10	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	11	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	12	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	13	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	14	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	15	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	16	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	17	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	18	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	19	1.19
(2,272)	1:41:A:MET:HG2	1:41:A:MET:HG3	20	1.19
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	2	1.19
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	19	1.19
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	4	1.19
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	19	1.19
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	11	1.19
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	11	1.19
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	2	1.19
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	2	1.19
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	2	1.19
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	15	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	1	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	2	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	3	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	4	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	6	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	7	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	9	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	10	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	11	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	12	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	13	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	14	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	15	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	16	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	17	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	18	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	19	1.19
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	20	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	4	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	4	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	4	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	6	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	6	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	6	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	10	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	10	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	10	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	12	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	12	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	12	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	20	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	20	1.19
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	20	1.19
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	18	1.19
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	7	1.19
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	7	1.19
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	7	1.19
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	7	1.19
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	7	1.19
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	7	1.19
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	7	1.19
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	7	1.19
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	18	1.19
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	18	1.19
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	18	1.19
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	20	1.19
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	18	1.19
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	15	1.19
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	10	1.19
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	14	1.19
(1,1580)	1:86:A:LYS:H	1:87:A:LYS:HB2	11	1.19
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	6	1.19
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	15	1.19
(1,559)	1:85:A:VAL:HG21	1:89:A:ILE:HG12	12	1.19
(1,559)	1:85:A:VAL:HG22	1:89:A:ILE:HG12	12	1.19
(1,559)	1:85:A:VAL:HG23	1:89:A:ILE:HG12	12	1.19
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	14	1.18
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	14	1.18
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	14	1.18
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	10	1.18
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	3	1.18
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	18	1.18
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	7	1.18
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	7	1.18
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	7	1.18
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	15	1.18
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	15	1.18
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	15	1.18
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	15	1.18
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	9	1.18
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	13	1.18
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	5	1.18
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	5	1.18
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	5	1.18
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	13	1.18
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	13	1.18
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	13	1.18
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	14	1.18
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	14	1.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	20	1.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	20	1.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	20	1.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	20	1.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	20	1.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	20	1.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	20	1.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	20	1.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	20	1.18
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	4	1.18
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	7	1.18
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	16	1.18
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	17	1.18
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	17	1.18
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	17	1.18
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	5	1.18
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	2	1.18
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	8	1.18
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	10	1.18
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	5	1.18
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	15	1.18
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	12	1.18
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	3	1.18
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	3	1.18
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	3	1.18
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	14	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	1	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	2	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	3	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	4	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	5	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	6	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	7	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	10	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	12	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	18	1.18
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	20	1.18
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	8	1.18
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	20	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	2	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	5	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	6	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	8	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	16	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	19	1.18
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	20	1.18
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	5	1.18
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	17	1.18
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	17	1.18
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	17	1.18
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	18	1.18
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	5	1.18
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	8	1.18
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	10	1.18
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	12	1.18
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	20	1.18
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	4	1.18
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	5	1.18
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	14	1.18
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	18	1.18
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	20	1.18
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	9	1.18
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	3	1.18
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	15	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	4	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	5	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	8	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	14	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	18	1.18
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	20	1.18
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	4	1.18
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	7	1.18
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	1	1.18
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	14	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	1	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	1	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	1	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	2	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	2	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	2	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	3	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	3	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	4	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	4	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	4	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	5	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	5	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	5	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	7	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	7	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	7	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	8	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	8	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	8	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	9	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	9	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	9	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	10	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	10	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	10	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	11	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	11	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	11	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	12	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	12	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	12	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	13	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	13	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	13	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	14	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	14	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	14	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	17	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	17	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	17	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	18	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	18	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	18	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	19	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	19	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	19	1.18
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	20	1.18
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	20	1.18
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	15	1.18
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	2	1.18
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	19	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	2	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	2	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	2	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	7	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	7	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	7	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	11	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	11	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	11	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	13	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	13	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	13	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	16	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	16	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	16	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	17	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	17	1.18
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	17	1.18
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	16	1.18
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	16	1.18
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	16	1.18
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	16	1.18
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	16	1.18
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	16	1.18
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	16	1.18
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	16	1.18
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	16	1.18
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	20	1.18
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	20	1.18
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	20	1.18
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	11	1.18
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	13	1.18
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	13	1.18
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	2	1.18
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	7	1.18
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	17	1.18
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	4	1.18
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	16	1.18
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	3	1.18
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	19	1.18
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	4	1.18
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	8	1.18
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	3	1.18
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	3	1.18
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	3	1.18
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	12	1.18
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	13	1.18
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	8	1.18
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	10	1.18
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	14	1.18
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	1	1.18
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	2	1.18
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	10	1.18
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	11	1.18
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	2	1.18
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	20	1.18
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	19	1.18
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	11	1.18
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	11	1.18
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	11	1.18
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	19	1.18
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	19	1.18
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	19	1.18
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	15	1.18
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	15	1.18
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	15	1.18
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	15	1.18
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	15	1.18
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	15	1.18
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	15	1.18
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	15	1.18
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	15	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	1	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	2	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	3	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	4	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	5	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	6	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	7	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	9	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	10	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	12	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	13	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	14	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	15	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	16	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	17	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	18	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	19	1.18
(2,339)	1:49:A:LEU:HB2	1:49:A:LEU:HB3	20	1.18
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	7	1.18
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	7	1.18
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	7	1.18
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	11	1.18
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	15	1.18
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	16	1.18
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	5	1.18
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	5	1.18
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	5	1.18
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	16	1.18
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	5	1.18
(2,148)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	8	1.18
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	11	1.18
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	6	1.18
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	6	1.18
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	6	1.18
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	1	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	1	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	1	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	1	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	5	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	5	1.18
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	5	1.18
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	20	1.18
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	13	1.18
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	13	1.18
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	13	1.18
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	16	1.18
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	16	1.18
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	16	1.18
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	14	1.18
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD21	15	1.18
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD22	15	1.18
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD23	15	1.18
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	8	1.18
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	8	1.17
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	8	1.17
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	8	1.17
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	1	1.17
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	4	1.17
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	16	1.17
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	16	1.17
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	16	1.17
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	15	1.17
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	13	1.17
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	13	1.17
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	13	1.17
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	5	1.17
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	3	1.17
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	2	1.17
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	5	1.17
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	10	1.17
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	4	1.17
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	16	1.17
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	15	1.17
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	19	1.17
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	19	1.17
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	19	1.17
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	6	1.17
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	12	1.17
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	3	1.17
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	1	1.17
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	12	1.17
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	4	1.17
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	10	1.17
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	15	1.17
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	17	1.17
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	9	1.17
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	19	1.17
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	20	1.17
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	9	1.17
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	1	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	2	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	4	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	5	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	10	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	11	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	16	1.17
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	19	1.17
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	2	1.17
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	7	1.17
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	17	1.17
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	17	1.17
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	17	1.17
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	16	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	8	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	9	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	11	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	13	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	14	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	15	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	16	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	17	1.17
(2,1174)	1:104:A:LYS:HB2	1:104:A:LYS:HB3	19	1.17
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	10	1.17
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	1	1.17
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	5	1.17
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	12	1.17
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	7	1.17
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	11	1.17
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	14	1.17
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	12	1.17
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	12	1.17
(2,1143)	1:103:A:ARG:HA	1:103:A:ARG:HB3	15	1.17
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	13	1.17
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	6	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	1	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	2	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	3	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	4	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	6	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	7	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	11	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	13	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	14	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	15	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	16	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	17	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	18	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	19	1.17
(2,1084)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	20	1.17
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	15	1.17
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	17	1.17
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	6	1.17
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	6	1.17
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	6	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	1	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	2	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	3	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	6	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	7	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	8	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	9	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	10	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	11	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	12	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	13	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	15	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	16	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	17	1.17
(2,1053)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	19	1.17
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	2	1.17
(2,1034)	1:99:A:PRO:HD3	1:99:A:PRO:HG3	16	1.17
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	3	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	1	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	2	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	3	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	6	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	7	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	9	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	10	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	11	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	12	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	15	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	16	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	17	1.17
(2,1029)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	19	1.17
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	2	1.17
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	2	1.17
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	2	1.17
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	11	1.17
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	11	1.17
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	10	1.17
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	12	1.17
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	12	1.17
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	12	1.17
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	6	1.17
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	6	1.17
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	6	1.17
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	15	1.17
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	15	1.17
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	15	1.17
(2,873)	1:85:A:VAL:HG11	1:85:A:VAL:HB	16	1.17
(2,873)	1:85:A:VAL:HG12	1:85:A:VAL:HB	16	1.17
(2,873)	1:85:A:VAL:HG13	1:85:A:VAL:HB	16	1.17
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	10	1.17
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	10	1.17
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	10	1.17
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	8	1.17
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	19	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	4	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	4	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	4	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	5	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	5	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	5	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	10	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	10	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	10	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	14	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	14	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	14	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	18	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	18	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	19	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	19	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	19	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	20	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	20	1.17
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	20	1.17
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	6	1.17
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	19	1.17
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	15	1.17
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	15	1.17
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	15	1.17
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	15	1.17
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	15	1.17
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	15	1.17
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	20	1.17
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	20	1.17
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	20	1.17
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	3	1.17
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	7	1.17
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	5	1.17
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	14	1.17
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	13	1.17
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	13	1.17
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	13	1.17
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	1	1.17
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	7	1.17
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	12	1.17
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	12	1.17
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	12	1.17
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	5	1.17
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	5	1.17
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	5	1.17
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	2	1.17
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	20	1.17
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	3	1.17
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	1	1.17
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	1	1.17
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	1	1.17
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	6	1.17
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	10	1.17
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	19	1.17
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	4	1.17
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	4	1.17
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	18	1.17
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	11	1.17
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	14	1.17
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	6	1.17
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	16	1.17
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	16	1.17
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	12	1.17
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	16	1.17
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	5	1.17
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	20	1.17
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	7	1.17
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	8	1.17
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	8	1.17
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	8	1.17
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	17	1.17
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	3	1.17
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	16	1.17
(1,1580)	1:86:A:LYS:H	1:87:A:LYS:HB2	16	1.17
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	13	1.16
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	13	1.16
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	13	1.16
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	10	1.16
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	7	1.16
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	4	1.16
(2,2761)	1:110:A:GLU:HB2	1:114:A:TRP:H	14	1.16
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	20	1.16
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	20	1.16
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	20	1.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	10	1.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	10	1.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	10	1.16
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	9	1.16
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	10	1.16
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	10	1.16
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	12	1.16
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	12	1.16
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	12	1.16
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	11	1.16
(2,1662)	1:81:A:ASP:H	1:82:A:ALA:H	9	1.16
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	17	1.16
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	17	1.16
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	18	1.16
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	17	1.16
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	17	1.16
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	17	1.16
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	8	1.16
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	8	1.16
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	8	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	9	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	9	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	9	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	18	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	18	1.16
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	18	1.16
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	5	1.16
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	12	1.16
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	12	1.16
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	12	1.16
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	20	1.16
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	11	1.16
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	7	1.16
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	7	1.16
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	7	1.16
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	6	1.16
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	10	1.16
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	14	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	3	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	6	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	7	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	8	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	9	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	12	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	13	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	14	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	15	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	17	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	18	1.16
(2,1293)	1:110:A:GLU:HB2	1:110:A:GLU:HB3	20	1.16
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	13	1.16
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	14	1.16
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	7	1.16
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	7	1.16
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	7	1.16
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	2	1.16
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	19	1.16
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	8	1.16
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	17	1.16
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	9	1.16
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	12	1.16
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	15	1.16
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	15	1.16
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	15	1.16
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	5	1.16
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	14	1.16
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	20	1.16
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	7	1.16
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	14	1.16
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	4	1.16
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	2	1.16
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD21	13	1.16
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD22	13	1.16
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD23	13	1.16
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD21	13	1.16
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD22	13	1.16
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD23	13	1.16
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD21	13	1.16
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD22	13	1.16
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD23	13	1.16
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	1	1.16
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	1	1.16
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	1	1.16
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	4	1.16
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	4	1.16
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	4	1.16
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	14	1.16
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	12	1.16
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	12	1.16
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	12	1.16
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	4	1.16
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	4	1.16
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	4	1.16
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	14	1.16
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	3	1.16
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	3	1.16
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	3	1.16
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	7	1.16
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	2	1.16
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	2	1.16
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	2	1.16
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	18	1.16
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	18	1.16
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	18	1.16
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	11	1.16
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	11	1.16
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	11	1.16
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	11	1.16
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	16	1.16
(2,746)	1:75:A:LEU:HA	1:75:A:LEU:HB3	18	1.16
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	7	1.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	1	1.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	1	1.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	1	1.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	1	1.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	1	1.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	1	1.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	1	1.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	1	1.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	1	1.16
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	9	1.16
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	9	1.16
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	9	1.16
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	9	1.16
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	9	1.16
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	9	1.16
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	18	1.16
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	9	1.16
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	9	1.16
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	9	1.16
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	9	1.16
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	18	1.16
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	1	1.16
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	1	1.16
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	8	1.16
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	8	1.16
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	8	1.16
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	9	1.16
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	9	1.16
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	9	1.16
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	20	1.16
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	20	1.16
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	20	1.16
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	11	1.16
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	11	1.16
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	11	1.16
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	18	1.16
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	18	1.16
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	18	1.16
(2,585)	1:69:A:PRO:HB3	1:69:A:PRO:HA	14	1.16
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	14	1.16
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	16	1.16
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	7	1.16
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	7	1.16
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	7	1.16
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	14	1.16
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	14	1.16
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	14	1.16
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	19	1.16
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	19	1.16
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	19	1.16
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	13	1.16
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	2	1.16
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	9	1.16
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	11	1.16
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	3	1.16
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	15	1.16
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	17	1.16
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	15	1.16
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	6	1.16
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	12	1.16
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	11	1.16
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	12	1.16
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	12	1.16
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	12	1.16
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	2	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	4	1.16
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	20	1.16
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	19	1.16
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	15	1.16
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	6	1.16
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	12	1.16
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	1	1.16
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	1	1.16
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	5	1.16
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	8	1.16
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	8	1.16
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	8	1.16
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	11	1.16
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	17	1.16
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	17	1.16
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	17	1.16
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	17	1.16
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	17	1.16
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	17	1.16
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	17	1.16
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	17	1.16
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	17	1.16
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	8	1.16
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	8	1.16
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	8	1.16
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	18	1.16
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	12	1.15
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	12	1.15
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	12	1.15
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	12	1.15
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	4	1.15
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	14	1.15
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	18	1.15
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	15	1.15
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	10	1.15
(2,2141)	1:27:A:ILE:HD11	1:26:A:LEU:H	14	1.15
(2,2141)	1:27:A:ILE:HD12	1:26:A:LEU:H	14	1.15
(2,2141)	1:27:A:ILE:HD13	1:26:A:LEU:H	14	1.15
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	16	1.15
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	2	1.15
(2,1845)	1:85:A:VAL:HG11	1:85:A:VAL:H	12	1.15
(2,1845)	1:85:A:VAL:HG12	1:85:A:VAL:H	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1845)	1:85:A:VAL:HG13	1:85:A:VAL:H	12	1.15
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	8	1.15
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	2	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	1	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	1	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	1	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	17	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	17	1.15
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	17	1.15
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	7	1.15
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	11	1.15
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	10	1.15
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	15	1.15
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	8	1.15
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	11	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	1	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	1	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	1	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	15	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	15	1.15
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	15	1.15
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	1	1.15
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	1	1.15
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	1	1.15
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	11	1.15
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	3	1.15
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	16	1.15
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	1	1.15
(2,1333)	1:113:A:ARG:HB3	1:114:A:TRP:H	17	1.15
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	6	1.15
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	6	1.15
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	6	1.15
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	6	1.15
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	6	1.15
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	6	1.15
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	6	1.15
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	6	1.15
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	6	1.15
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	2	1.15
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	10	1.15
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	13	1.15
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	17	1.15
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	17	1.15
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	16	1.15
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	9	1.15
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	9	1.15
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	9	1.15
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	13	1.15
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	16	1.15
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	4	1.15
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	18	1.15
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	15	1.15
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	7	1.15
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	11	1.15
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	7	1.15
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	7	1.15
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	7	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	1	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	2	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	3	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	4	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	5	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	6	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	7	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	8	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	9	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	10	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	11	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	12	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	13	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	14	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	15	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	16	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	17	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	18	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	19	1.15
(2,949)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	20	1.15
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	11	1.15
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	11	1.15
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	11	1.15
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	6	1.15
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	15	1.15
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	9	1.15
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	9	1.15
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	14	1.15
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	14	1.15
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	14	1.15
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	7	1.15
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	7	1.15
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	7	1.15
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	10	1.15
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	10	1.15
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	10	1.15
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	4	1.15
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	12	1.15
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	10	1.15
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	17	1.15
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	12	1.15
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	10	1.15
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	7	1.15
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	7	1.15
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	7	1.15
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	1	1.15
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	1	1.15
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	1	1.15
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	15	1.15
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	15	1.15
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	15	1.15
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	15	1.15
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	15	1.15
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	15	1.15
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	15	1.15
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	15	1.15
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	15	1.15
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	15	1.15
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	15	1.15
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	15	1.15
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	20	1.15
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	20	1.15
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	20	1.15
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	3	1.15
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	7	1.15
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	17	1.15
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	19	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	19	1.15
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	19	1.15
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	20	1.15
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	20	1.15
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	20	1.15
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	9	1.15
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	10	1.15
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	4	1.15
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	20	1.15
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	6	1.15
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	6	1.15
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	6	1.15
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	17	1.15
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	17	1.15
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	17	1.15
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	17	1.15
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	14	1.15
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	6	1.15
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	16	1.15
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	9	1.15
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	5	1.15
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	17	1.15
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	5	1.15
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	13	1.15
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	13	1.15
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	13	1.15
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	17	1.15
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	17	1.15
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	17	1.15
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	17	1.15
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	17	1.15
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	17	1.15
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	17	1.15
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	17	1.15
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	17	1.15
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	9	1.15
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	1	1.15
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	12	1.15
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	15	1.15
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	15	1.15
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	15	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	1	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	1	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	20	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	20	1.15
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	20	1.15
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	10	1.15
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	10	1.15
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	10	1.15
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	20	1.15
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	20	1.15
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	20	1.15
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	1	1.15
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	15	1.15
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	8	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	1	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	2	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	3	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	4	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	5	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	7	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	8	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	9	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	10	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	11	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	12	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	13	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	14	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	15	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	16	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	17	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	18	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	19	1.15
(2,182)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	20	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	6	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	10	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	12	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	14	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	15	1.15
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	20	1.15
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	9	1.15
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	13	1.15
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	19	1.15
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	19	1.15
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	19	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	11	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	11	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	11	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	13	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	13	1.15
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	13	1.15
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	3	1.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	20	1.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	20	1.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	20	1.15
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	3	1.15
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	3	1.15
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	3	1.15
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	2	1.15
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	17	1.15
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	17	1.15
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	17	1.15
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	5	1.14
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	19	1.14
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	12	1.14
(2,2512)	1:85:A:VAL:HG21	1:84:A:LYS:H	6	1.14
(2,2512)	1:85:A:VAL:HG22	1:84:A:LYS:H	6	1.14
(2,2512)	1:85:A:VAL:HG23	1:84:A:LYS:H	6	1.14
(2,2512)	1:85:A:VAL:HG21	1:84:A:LYS:H	15	1.14
(2,2512)	1:85:A:VAL:HG22	1:84:A:LYS:H	15	1.14
(2,2512)	1:85:A:VAL:HG23	1:84:A:LYS:H	15	1.14
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	14	1.14
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	14	1.14
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	14	1.14
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	20	1.14
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	20	1.14
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	20	1.14
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	13	1.14
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	20	1.14
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	1	1.14
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	6	1.14
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	12	1.14
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	12	1.14
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	11	1.14
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	8	1.14
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	5	1.14
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	19	1.14
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	12	1.14
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	7	1.14
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	3	1.14
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	6	1.14
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	2	1.14
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	19	1.14
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	7	1.14
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	11	1.14
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	17	1.14
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	16	1.14
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	4	1.14
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	8	1.14
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	8	1.14
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	8	1.14
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	17	1.14
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	3	1.14
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	11	1.14
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	10	1.14
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	17	1.14
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	17	1.14
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	17	1.14
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	9	1.14
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	11	1.14
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	17	1.14
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	15	1.14
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	12	1.14
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	7	1.14
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	7	1.14
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	7	1.14
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	18	1.14
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	13	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	4	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	7	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	10	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	12	1.14
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	17	1.14
(2,901)	1:86:A:LYS:HA	1:86:A:LYS:HB2	3	1.14
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	6	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	19	1.14
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	19	1.14
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	19	1.14
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	19	1.14
(2,803)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	5	1.14
(2,803)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	5	1.14
(2,803)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	5	1.14
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	20	1.14
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	16	1.14
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	16	1.14
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	16	1.14
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	6	1.14
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	6	1.14
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	6	1.14
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	10	1.14
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	10	1.14
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	10	1.14
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	17	1.14
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	17	1.14
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	17	1.14
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	16	1.14
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	18	1.14
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	20	1.14
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	20	1.14
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	20	1.14
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	10	1.14
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	17	1.14
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	17	1.14
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	17	1.14
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	6	1.14
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	6	1.14
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	6	1.14
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	1	1.14
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	16	1.14
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	11	1.14
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	11	1.14
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	11	1.14
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	16	1.14
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	16	1.14
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	16	1.14
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	13	1.14
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	13	1.14
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	14	1.14
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	14	1.14
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	14	1.14
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	10	1.14
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	10	1.14
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	10	1.14
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	5	1.14
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	6	1.14
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	6	1.14
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	6	1.14
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	13	1.14
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	13	1.14
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	13	1.14
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	8	1.14
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	16	1.14
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	1	1.14
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	1	1.14
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	1	1.14
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	10	1.14
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	10	1.14
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	10	1.14
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	15	1.14
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	15	1.14
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	15	1.14
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	17	1.14
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	17	1.14
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	17	1.14
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	11	1.14
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	2	1.14
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	6	1.14
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	11	1.14
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	3	1.14
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	2	1.14
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	12	1.14
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	6	1.14
(2,440)	1:90:A:GLU:HB2	1:90:A:GLU:H	8	1.14
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	7	1.14
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	19	1.14
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	6	1.14
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	7	1.14
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	15	1.14
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	18	1.14
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	1	1.14
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	3	1.14
(2,398)	1:52:A:LEU:HB3	1:52:A:LEU:HA	18	1.14
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	3	1.14
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	8	1.14
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	1	1.14
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	13	1.14
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	13	1.14
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	13	1.14
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	3	1.14
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	12	1.14
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	13	1.14
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	14	1.14
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	16	1.14
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	14	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	1	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	2	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	3	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	4	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	5	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	7	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	8	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	9	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	11	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	13	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	16	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	17	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	18	1.14
(2,179)	1:34:A:LEU:HB2	1:34:A:LEU:HB3	19	1.14
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	17	1.14
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	14	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	1	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	1	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	1	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	2	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	2	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	2	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	3	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	3	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	4	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	4	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	4	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	5	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	5	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	5	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	6	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	6	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	6	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	7	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	7	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	7	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	8	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	8	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	8	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	9	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	9	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	9	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	13	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	13	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	13	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	16	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	16	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	16	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	18	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	18	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	18	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	20	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	20	1.14
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	20	1.14
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	4	1.14
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	5	1.14
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	14	1.14
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	8	1.14
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	8	1.14
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	8	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	8	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	8	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	8	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	8	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	8	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	15	1.14
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	15	1.14
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	15	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	15	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	15	1.14
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	15	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	15	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	15	1.14
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	15	1.14
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	4	1.14
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	5	1.14
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	11	1.14
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	4	1.14
(1,345)	1:71:A:LYS:H	1:66:A:LEU:HB2	7	1.14
(1,297)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	9	1.14
(1,297)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	9	1.14
(1,297)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	9	1.14
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD11	15	1.14
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD12	15	1.14
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD13	15	1.14
(2,2648)	1:73:A:LEU:HD21	1:101:A:ARG:H	3	1.13
(2,2648)	1:73:A:LEU:HD22	1:101:A:ARG:H	3	1.13
(2,2648)	1:73:A:LEU:HD23	1:101:A:ARG:H	3	1.13
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	14	1.13
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	18	1.13
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	11	1.13
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	2	1.13
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	2	1.13
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	2	1.13
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	3	1.13
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	5	1.13
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	10	1.13
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	15	1.13
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	6	1.13
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	7	1.13
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	18	1.13
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	5	1.13
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	10	1.13
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	7	1.13
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	7	1.13
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	7	1.13
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	17	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	5	1.13
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	5	1.13
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	5	1.13
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	3	1.13
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	4	1.13
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	3	1.13
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	3	1.13
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	3	1.13
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	18	1.13
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	18	1.13
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	18	1.13
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	18	1.13
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	18	1.13
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	18	1.13
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	18	1.13
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	18	1.13
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	18	1.13
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	10	1.13
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	18	1.13
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	15	1.13
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	19	1.13
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	2	1.13
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	2	1.13
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	2	1.13
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	7	1.13
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	5	1.13
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	5	1.13
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	12	1.13
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	14	1.13
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	14	1.13
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	14	1.13
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	13	1.13
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	13	1.13
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	13	1.13
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	4	1.13
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	8	1.13
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	6	1.13
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	15	1.13
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	19	1.13
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	20	1.13
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	1	1.13
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	1	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	1	1.13
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	1	1.13
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	1	1.13
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	9	1.13
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	9	1.13
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	9	1.13
(2,1176)	1:104:A:LYS:HG3	1:104:A:LYS:HB2	6	1.13
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	18	1.13
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	1	1.13
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	4	1.13
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	7	1.13
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	14	1.13
(2,1142)	1:103:A:ARG:HA	1:103:A:ARG:HB2	17	1.13
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	18	1.13
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	12	1.13
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	12	1.13
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	12	1.13
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	17	1.13
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	4	1.13
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	8	1.13
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	16	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	3	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	5	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	8	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	10	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	12	1.13
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	14	1.13
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	16	1.13
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	1	1.13
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	12	1.13
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	15	1.13
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	8	1.13
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	8	1.13
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	8	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	5	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	8	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	11	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	13	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	16	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	18	1.13
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	19	1.13
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	16	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	2	1.13
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	2	1.13
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	2	1.13
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	20	1.13
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	20	1.13
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	20	1.13
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	15	1.13
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	15	1.13
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	15	1.13
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	16	1.13
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	19	1.13
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	19	1.13
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	19	1.13
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	11	1.13
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	13	1.13
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	16	1.13
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	16	1.13
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	16	1.13
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	15	1.13
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	15	1.13
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	15	1.13
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	15	1.13
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	15	1.13
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	15	1.13
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	15	1.13
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	15	1.13
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	15	1.13
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	1	1.13
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	18	1.13
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	18	1.13
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	18	1.13
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	4	1.13
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	4	1.13
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	4	1.13
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	19	1.13
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	6	1.13
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	6	1.13
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	6	1.13
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	2	1.13
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	15	1.13
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	1	1.13
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	18	1.13
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	18	1.13
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	18	1.13
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	18	1.13
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	18	1.13
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	2	1.13
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	7	1.13
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	13	1.13
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	18	1.13
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	17	1.13
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	8	1.13
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	8	1.13
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	8	1.13
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	5	1.13
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	5	1.13
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	5	1.13
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	15	1.13
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	15	1.13
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	15	1.13
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	16	1.13
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	16	1.13
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	16	1.13
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	17	1.13
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	17	1.13
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	17	1.13
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	7	1.13
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	7	1.13
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	7	1.13
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	12	1.13
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	12	1.13
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	12	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	1	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	2	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	3	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	4	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	5	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	6	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	7	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	8	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	9	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	10	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	12	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	13	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	14	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	15	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	16	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	17	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	18	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	19	1.13
(2,583)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	20	1.13
(2,550)	1:66:A:LEU:HG	1:66:A:LEU:H	8	1.13
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	20	1.13
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	5	1.13
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	19	1.13
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	15	1.13
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	15	1.13
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	15	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	2	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	2	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	2	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	3	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	3	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	3	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	4	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	4	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	4	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	6	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	6	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	6	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	8	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	8	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	8	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	9	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	9	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	9	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	11	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	11	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	11	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	12	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	12	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	12	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	13	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	13	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	13	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	14	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	14	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	14	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	16	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	16	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	16	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	18	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	18	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	18	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	19	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	19	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	19	1.13
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	20	1.13
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	20	1.13
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	20	1.13
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	15	1.13
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	15	1.13
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	15	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	1	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	3	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	4	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	5	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	7	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	8	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	9	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	10	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	12	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	13	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	14	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	15	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	16	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	17	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	18	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	19	1.13
(2,490)	1:62:A:ILE:HG12	1:62:A:ILE:HG13	20	1.13
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	9	1.13
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	2	1.13
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	15	1.13
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	3	1.13
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	18	1.13
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	6	1.13
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	6	1.13
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	11	1.13
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	9	1.13
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	9	1.13
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	9	1.13
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	12	1.13
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	19	1.13
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	19	1.13
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	19	1.13
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	15	1.13
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	18	1.13
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	7	1.13
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	7	1.13
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	7	1.13
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	13	1.13
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	13	1.13
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	13	1.13
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	13	1.13
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	10	1.13
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	9	1.13
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	20	1.13
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	20	1.13
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	20	1.13
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	2	1.13
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	12	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	10	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	10	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	10	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	11	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	11	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	11	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	12	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	12	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	12	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	14	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	14	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	14	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	15	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	15	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	15	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	17	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	17	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	17	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG21	19	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG22	19	1.13
(2,118)	1:27:A:ILE:HB	1:27:A:ILE:HG23	19	1.13
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	1	1.13
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	1	1.13
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	1	1.13
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	9	1.13
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	9	1.13
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	11	1.13
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	10	1.13
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	10	1.13
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	10	1.13
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	17	1.13
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	17	1.13
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	17	1.13
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	6	1.13
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	15	1.13
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	17	1.13
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	19	1.13
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	17	1.13
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	17	1.13
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	17	1.13
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	16	1.13
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	16	1.13
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	16	1.13
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	5	1.13
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	5	1.13
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	4	1.13
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	16	1.13
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	18	1.12
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	12	1.12
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	7	1.12
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	11	1.12
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	11	1.12
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	5	1.12
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	5	1.12
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	5	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	2	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	3	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	8	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	10	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	14	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	15	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	16	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	19	1.12
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	20	1.12
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	15	1.12
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	15	1.12
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	15	1.12
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	15	1.12
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	14	1.12
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	14	1.12
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	14	1.12
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	19	1.12
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	10	1.12
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	15	1.12
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	15	1.12
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	17	1.12
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	17	1.12
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	6	1.12
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	6	1.12
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	6	1.12
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	5	1.12
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	1	1.12
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	16	1.12
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	9	1.12
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	11	1.12
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	7	1.12
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	3	1.12
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	11	1.12
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	9	1.12
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	9	1.12
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	9	1.12
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	7	1.12
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	7	1.12
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	7	1.12
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	7	1.12
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	7	1.12
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	7	1.12
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	7	1.12
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	7	1.12
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	8	1.12
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	11	1.12
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	13	1.12
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	14	1.12
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	15	1.12
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	6	1.12
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	20	1.12
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	20	1.12
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	20	1.12
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	4	1.12
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	4	1.12
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	4	1.12
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	5	1.12
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	18	1.12
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	3	1.12
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	1	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	1	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	1	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	1	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	1	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	1	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	1	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	1	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	1	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	1	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	9	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	9	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	9	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	9	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	9	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	9	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	9	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	9	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	9	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	10	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	10	1.12
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	10	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	10	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	10	1.12
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	10	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	10	1.12
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	10	1.12
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	19	1.12
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	19	1.12
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	19	1.12
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	4	1.12
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	4	1.12
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	4	1.12
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	12	1.12
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	4	1.12
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	1	1.12
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	4	1.12
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	1	1.12
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	4	1.12
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	8	1.12
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	9	1.12
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	18	1.12
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	19	1.12
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	17	1.12
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	9	1.12
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	6	1.12
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	15	1.12
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	18	1.12
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	2	1.12
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	3	1.12
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	1	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	1	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	2	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	4	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	6	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	7	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	9	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	11	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	13	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	15	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	16	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	17	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	18	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	19	1.12
(2,1083)	1:101:A:ARG:HB2	1:101:A:ARG:HB3	20	1.12
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	13	1.12
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	9	1.12
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	9	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	4	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	5	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	8	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	9	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	14	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	18	1.12
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	20	1.12
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	8	1.12
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	8	1.12
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	8	1.12
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	8	1.12
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	10	1.12
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	1	1.12
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	3	1.12
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	9	1.12
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	1.12
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	12	1.12
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	12	1.12
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	12	1.12
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	4	1.12
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	4	1.12
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	4	1.12
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	13	1.12
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	13	1.12
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	13	1.12
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	12	1.12
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	12	1.12
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	12	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	1	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	1	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	1	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	2	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	2	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	2	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	3	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	3	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	3	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	4	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	4	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	5	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	5	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	5	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	6	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	6	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	6	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	7	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	7	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	7	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	8	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	8	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	8	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	9	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	9	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	9	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	10	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	10	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	10	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	11	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	11	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	11	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	12	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	12	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	12	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	13	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	13	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	13	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	14	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	14	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	14	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	16	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	16	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	16	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	17	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	17	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	17	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	18	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	18	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	18	1.12
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	19	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	19	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	19	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,872)	1:85:A:VAL:HG21	1:85:A:VAL:HB	20	1.12
(2,872)	1:85:A:VAL:HG22	1:85:A:VAL:HB	20	1.12
(2,872)	1:85:A:VAL:HG23	1:85:A:VAL:HB	20	1.12
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	9	1.12
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	10	1.12
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	3	1.12
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	4	1.12
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	14	1.12
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	17	1.12
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	9	1.12
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB1	6	1.12
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB2	6	1.12
(2,838)	1:82:A:ALA:H	1:82:A:ALA:HB3	6	1.12
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	19	1.12
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	19	1.12
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	19	1.12
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	3	1.12
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	3	1.12
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	3	1.12
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	15	1.12
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	4	1.12
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	10	1.12
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	12	1.12
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	17	1.12
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	4	1.12
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	5	1.12
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	3	1.12
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	8	1.12
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	8	1.12
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	8	1.12
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	9	1.12
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	9	1.12
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	9	1.12
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	7	1.12
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	1	1.12
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	4	1.12
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	5	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	6	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	6	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	6	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	6	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	6	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	6	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	20	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	20	1.12
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	20	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	20	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	20	1.12
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	20	1.12
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	15	1.12
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	9	1.12
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	11	1.12
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	4	1.12
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	4	1.12
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	4	1.12
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	6	1.12
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	6	1.12
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	6	1.12
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	7	1.12
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	7	1.12
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	7	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	1	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	1	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	1	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	2	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	2	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	2	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	3	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	3	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	3	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	4	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	4	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	4	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	6	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	6	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	6	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	7	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	7	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	7	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	8	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	8	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	8	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	9	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	9	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	10	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	10	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	10	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	11	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	11	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	11	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	12	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	12	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	12	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	18	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	18	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	18	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	19	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	19	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	19	1.12
(2,607)	1:70:A:VAL:HG11	1:70:A:VAL:HB	20	1.12
(2,607)	1:70:A:VAL:HG12	1:70:A:VAL:HB	20	1.12
(2,607)	1:70:A:VAL:HG13	1:70:A:VAL:HB	20	1.12
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	19	1.12
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	19	1.12
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	19	1.12
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	2	1.12
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	14	1.12
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	20	1.12
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	7	1.12
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	11	1.12
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	11	1.12
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	11	1.12
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	4	1.12
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	9	1.12
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	10	1.12
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	8	1.12
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	13	1.12
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	15	1.12
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	16	1.12
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	10	1.12
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	10	1.12
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	10	1.12
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	5	1.12
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	5	1.12
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,511)	1:63:A:LEU:HD21	1:63:A:LEU:HG	7	1.12
(2,511)	1:63:A:LEU:HD22	1:63:A:LEU:HG	7	1.12
(2,511)	1:63:A:LEU:HD23	1:63:A:LEU:HG	7	1.12
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	1	1.12
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	4	1.12
(2,436)	1:59:A:ILE:HG13	1:59:A:ILE:HB	13	1.12
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	5	1.12
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	18	1.12
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	10	1.12
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	15	1.12
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	20	1.12
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	4	1.12
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	11	1.12
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	11	1.12
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	11	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	2	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	2	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	2	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	19	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	19	1.12
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	19	1.12
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	1	1.12
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	3	1.12
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	9	1.12
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	17	1.12
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	6	1.12
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	5	1.12
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	14	1.12
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	13	1.12
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	8	1.12
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	20	1.12
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	15	1.12
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	17	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	3	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	3	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	3	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	7	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	7	1.12
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	7	1.12
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	1	1.12
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	13	1.12
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	19	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	19	1.12
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	19	1.12
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	6	1.12
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	17	1.11
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	6	1.11
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	12	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	1	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	5	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	6	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	7	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	12	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	13	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	17	1.11
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	18	1.11
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	11	1.11
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	20	1.11
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	3	1.11
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	4	1.11
(2,1786)	1:59:A:ILE:HG13	1:59:A:ILE:H	11	1.11
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	18	1.11
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	18	1.11
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	18	1.11
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	1	1.11
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	14	1.11
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	20	1.11
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	4	1.11
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	4	1.11
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	4	1.11
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	6	1.11
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	13	1.11
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	16	1.11
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	11	1.11
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	5	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	2	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	2	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	2	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	11	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	11	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	11	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	19	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	19	1.11
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	19	1.11
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	9	1.11
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	16	1.11
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	16	1.11
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	16	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	1	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	1	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	1	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	2	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	2	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	2	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	3	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	3	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	3	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	4	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	4	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	4	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	5	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	5	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	5	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	6	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	6	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	6	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	7	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	7	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	7	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	8	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	8	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	8	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	9	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	9	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	9	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	10	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	10	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	10	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	11	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	11	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	11	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	12	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	12	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	13	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	13	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	13	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	14	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	14	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	14	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	15	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	15	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	15	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	16	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	16	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	16	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	17	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	17	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	17	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	18	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	18	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	18	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	19	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	19	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	19	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	20	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	20	1.11
(2,1473)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	20	1.11
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	11	1.11
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	7	1.11
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	13	1.11
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	14	1.11
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	20	1.11
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	20	1.11
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	20	1.11
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	4	1.11
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	4	1.11
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	4	1.11
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	4	1.11
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	4	1.11
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	4	1.11
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	4	1.11
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	4	1.11
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	4	1.11
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	4	1.11
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	4	1.11
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	12	1.11
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	12	1.11
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	12	1.11
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	11	1.11
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	19	1.11
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	17	1.11
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	7	1.11
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	3	1.11
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	14	1.11
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	10	1.11
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	12	1.11
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	12	1.11
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	12	1.11
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	4	1.11
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	4	1.11
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	4	1.11
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	4	1.11
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	20	1.11
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	10	1.11
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	10	1.11
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	2	1.11
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	15	1.11
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	16	1.11
(2,1125)	1:74:A:VAL:HB	1:102:A:ILE:HG12	11	1.11
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	4	1.11
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	9	1.11
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	17	1.11
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	18	1.11
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	18	1.11
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	18	1.11
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	20	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	1	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	2	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	3	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	6	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	7	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	10	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	11	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	12	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	15	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	16	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	17	1.11
(2,1054)	1:99:A:PRO:HG2	1:99:A:PRO:HG3	19	1.11
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	18	1.11
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	16	1.11
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	7	1.11
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	14	1.11
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	17	1.11
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	5	1.11
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	5	1.11
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	5	1.11
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	5	1.11
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	5	1.11
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	5	1.11
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	5	1.11
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	5	1.11
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	5	1.11
(2,923)	1:89:A:ILE:HG12	1:89:A:ILE:HB	2	1.11
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	4	1.11
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	19	1.11
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	19	1.11
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	4	1.11
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	2	1.11
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	18	1.11
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	11	1.11
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	17	1.11
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	1	1.11
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	16	1.11
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	4	1.11
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	4	1.11
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	4	1.11
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	4	1.11
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	10	1.11
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	8	1.11
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	8	1.11
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	8	1.11
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	20	1.11
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	20	1.11
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	20	1.11
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	20	1.11
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	18	1.11
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	2	1.11
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	2	1.11
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	2	1.11
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	16	1.11
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	16	1.11
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	16	1.11
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	2	1.11
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	2	1.11
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	2	1.11
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	11	1.11
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	11	1.11
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	11	1.11
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	11	1.11
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	11	1.11
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	11	1.11
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	16	1.11
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	3	1.11
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	5	1.11
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	5	1.11
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	5	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	1	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	3	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	4	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	6	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	12	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	13	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	15	1.11
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	16	1.11
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	7	1.11
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	3	1.11
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	3	1.11
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	3	1.11
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	5	1.11
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	5	1.11
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	5	1.11
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	15	1.11
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	15	1.11
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	15	1.11
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	18	1.11
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	6	1.11
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	4	1.11
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	7	1.11
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	10	1.11
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	12	1.11
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	20	1.11
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	20	1.11
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	20	1.11
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	1	1.11
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	16	1.11
(2,447)	1:59:A:ILE:HG13	1:59:A:ILE:HA	20	1.11
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	12	1.11
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	20	1.11
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	5	1.11
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	12	1.11
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	8	1.11
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	15	1.11
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	10	1.11
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	19	1.11
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	20	1.11
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	14	1.11
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	14	1.11
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	14	1.11
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	5	1.11
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	6	1.11
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	7	1.11
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	18	1.11
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	17	1.11
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	12	1.11
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	7	1.11
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	7	1.11
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	7	1.11
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	8	1.11
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	16	1.11
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	19	1.11
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	1	1.11
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	14	1.11
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	20	1.11
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	12	1.11
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	12	1.11
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	12	1.11
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	3	1.11
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	6	1.11
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	13	1.11
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	19	1.11
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	9	1.11
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	9	1.11
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	9	1.11
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	14	1.11
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	14	1.11
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	14	1.11
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	1	1.11
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	1	1.11
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	1	1.11
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	1	1.11
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	1	1.11
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	1	1.11
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	1	1.11
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	1	1.11
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	1	1.11
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	7	1.11
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	10	1.11
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	19	1.11
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	5	1.11
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD21	9	1.11
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD22	9	1.11
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD23	9	1.11
(2,2834)	1:23:A:LEU:HD21	1:120:A:GLU:H	6	1.1
(2,2834)	1:23:A:LEU:HD22	1:120:A:GLU:H	6	1.1
(2,2834)	1:23:A:LEU:HD23	1:120:A:GLU:H	6	1.1
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	15	1.1
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	15	1.1
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	15	1.1
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	11	1.1
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	14	1.1
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	18	1.1
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	18	1.1
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	18	1.1
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	20	1.1
(2,2480)	1:28:A:TRP:HZ3	1:28:A:TRP:HE1	9	1.1
(2,2437)	1:75:A:LEU:HD21	1:74:A:VAL:H	2	1.1
(2,2437)	1:75:A:LEU:HD22	1:74:A:VAL:H	2	1.1
(2,2437)	1:75:A:LEU:HD23	1:74:A:VAL:H	2	1.1
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	17	1.1
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	1	1.1
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	8	1.1
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	13	1.1
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	10	1.1
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	10	1.1
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	10	1.1
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	7	1.1
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	7	1.1
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	19	1.1
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	14	1.1
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	14	1.1
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	14	1.1
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	16	1.1
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	16	1.1
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	16	1.1
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	16	1.1
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	6	1.1
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	6	1.1
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	6	1.1
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	8	1.1
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	8	1.1
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	8	1.1
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	19	1.1
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	10	1.1
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	10	1.1
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	10	1.1
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	4	1.1
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	2	1.1
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	20	1.1
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	16	1.1
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	5	1.1
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	12	1.1
(2,1247)	1:108:A:PRO:HB3	1:108:A:PRO:HA	16	1.1
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	3	1.1
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	3	1.1
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	3	1.1
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	16	1.1
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	18	1.1
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	19	1.1
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	4	1.1
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	5	1.1
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	11	1.1
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	13	1.1
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	17	1.1
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	19	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	1	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	2	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	3	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	4	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	5	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	6	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	7	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	8	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	9	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	11	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	12	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	13	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	14	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	15	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	16	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	17	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	18	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	19	1.1
(2,1153)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.1
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	13	1.1
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	13	1.1
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	17	1.1
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	19	1.1
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	4	1.1
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	11	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	4	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	5	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	10	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	12	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	13	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	15	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	16	1.1
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	20	1.1
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	17	1.1
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	2	1.1
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	12	1.1
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	9	1.1
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	3	1.1
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	3	1.1
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	3	1.1
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	16	1.1
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	16	1.1
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	16	1.1
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	8	1.1
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	8	1.1
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	8	1.1
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	7	1.1
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	1	1.1
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	5	1.1
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	15	1.1
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	10	1.1
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	10	1.1
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	10	1.1
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	14	1.1
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	7	1.1
(2,807)	1:36:A:GLU:HG3	1:36:A:GLU:H	11	1.1
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	13	1.1
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	13	1.1
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	13	1.1
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	2	1.1
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	2	1.1
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	2	1.1
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	2	1.1
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	2	1.1
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	2	1.1
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	2	1.1
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	2	1.1
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	2	1.1
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	6	1.1
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	6	1.1
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	6	1.1
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	1	1.1
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	1	1.1
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	1	1.1
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	1	1.1
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	1	1.1
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	1	1.1
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	1	1.1
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	1	1.1
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	1	1.1
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	1	1.1
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	1	1.1
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	13	1.1
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	8	1.1
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	8	1.1
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	8	1.1
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	8	1.1
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	8	1.1
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	8	1.1
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	8	1.1
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	8	1.1
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	8	1.1
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	13	1.1
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	13	1.1
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	13	1.1
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	13	1.1
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	13	1.1
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	13	1.1
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	18	1.1
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	7	1.1
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	7	1.1
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	7	1.1
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	1	1.1
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	3	1.1
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	4	1.1
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	9	1.1
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	9	1.1
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	9	1.1
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	3	1.1
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	3	1.1
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	3	1.1
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	11	1.1
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	11	1.1
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	11	1.1
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	2	1.1
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	18	1.1
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	1	1.1
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	9	1.1
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	14	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	2	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	2	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	2	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	6	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	6	1.1
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	6	1.1
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	1	1.1
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	1	1.1
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	1	1.1
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	19	1.1
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	19	1.1
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	19	1.1
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	19	1.1
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	3	1.1
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	11	1.1
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	3	1.1
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	17	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	4	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	4	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	4	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	18	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	18	1.1
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	18	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	3	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	3	1.1
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	3	1.1
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	6	1.1
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	16	1.1
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	14	1.1
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	18	1.1
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD11	5	1.1
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD12	5	1.1
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD13	5	1.1
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	3	1.1
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	4	1.1
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	15	1.1
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	9	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	2	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	3	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	4	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	6	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	7	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	8	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	9	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	10	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	11	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	12	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	13	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	15	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	16	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	17	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	18	1.1
(2,113)	1:27:A:ILE:HG12	1:27:A:ILE:HG13	19	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	1	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	1	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	1	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	1.1
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	1.1
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	4	1.1
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	18	1.1
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	8	1.1
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	8	1.1
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	8	1.1
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	1	1.1
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	1	1.1
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	1	1.1
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	9	1.1
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	9	1.1
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	9	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	9	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	9	1.1
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	9	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	9	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	9	1.1
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	9	1.1
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	20	1.1
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	16	1.1
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	16	1.1
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	16	1.1
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	15	1.1
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	15	1.1
(1,1841)	1:43:A:GLU:H	1:44:A:LYS:HB2	19	1.1
(1,1580)	1:86:A:LYS:H	1:87:A:LYS:HB2	18	1.1
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	1.1
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	19	1.09
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	5	1.09
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	5	1.09
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	5	1.09
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	1	1.09
(2,2512)	1:85:A:VAL:HG21	1:84:A:LYS:H	14	1.09
(2,2512)	1:85:A:VAL:HG22	1:84:A:LYS:H	14	1.09
(2,2512)	1:85:A:VAL:HG23	1:84:A:LYS:H	14	1.09
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	9	1.09
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	18	1.09
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	17	1.09
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	20	1.09
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	9	1.09
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	20	1.09
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	20	1.09
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	20	1.09
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	20	1.09
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	20	1.09
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	20	1.09
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	20	1.09
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	20	1.09
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	20	1.09
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	10	1.09
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	19	1.09
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	17	1.09
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	7	1.09
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	5	1.09
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	5	1.09
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	5	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	6	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	6	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	6	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	13	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	13	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	13	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	16	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	16	1.09
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	14	1.09
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	14	1.09
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	14	1.09
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	4	1.09
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	6	1.09
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	6	1.09
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	6	1.09
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	6	1.09
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	14	1.09
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	5	1.09
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	16	1.09
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	20	1.09
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	14	1.09
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	7	1.09
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	6	1.09
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	6	1.09
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	6	1.09
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	6	1.09
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	6	1.09
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	6	1.09
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	6	1.09
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	6	1.09
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	6	1.09
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	15	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	1	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	2	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	3	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	5	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	6	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	7	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	8	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	9	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	10	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	12	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	13	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	14	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	16	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	17	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	19	1.09
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	20	1.09
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	18	1.09
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	10	1.09
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	20	1.09
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	10	1.09
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	10	1.09
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	10	1.09
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	9	1.09
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	10	1.09
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	3	1.09
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	3	1.09
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	3	1.09
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	14	1.09
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	14	1.09
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	14	1.09
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	7	1.09
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	19	1.09
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	6	1.09
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	6	1.09
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	6	1.09
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	6	1.09
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	1	1.09
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	4	1.09
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	11	1.09
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	15	1.09
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	12	1.09
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	12	1.09
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	12	1.09
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	7	1.09
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	10	1.09
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	6	1.09
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	7	1.09
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	14	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	2	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	3	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	6	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	9	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	14	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	17	1.09
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	19	1.09
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	6	1.09
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	10	1.09
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	11	1.09
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	9	1.09
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	20	1.09
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	20	1.09
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	20	1.09
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	3	1.09
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	3	1.09
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	3	1.09
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	3	1.09
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	3	1.09
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	3	1.09
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	3	1.09
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	3	1.09
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	3	1.09
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	2	1.09
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	2	1.09
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	2	1.09
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	10	1.09
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	10	1.09
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	10	1.09
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	15	1.09
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	6	1.09
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	12	1.09
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	16	1.09
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	8	1.09
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	8	1.09
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	8	1.09
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	18	1.09
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	6	1.09
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	1	1.09
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	10	1.09
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	17	1.09
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	14	1.09
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	14	1.09
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	14	1.09
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	1	1.09
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	1	1.09
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	1	1.09
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	8	1.09
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	8	1.09
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	8	1.09
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	15	1.09
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	15	1.09
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	3	1.09
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	12	1.09
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	12	1.09
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	12	1.09
(2,686)	1:73:A:LEU:HD21	1:118:A:PHE:HA	19	1.09
(2,686)	1:73:A:LEU:HD22	1:118:A:PHE:HA	19	1.09
(2,686)	1:73:A:LEU:HD23	1:118:A:PHE:HA	19	1.09
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	8	1.09
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	2	1.09
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	2	1.09
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	2	1.09
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	8	1.09
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	8	1.09
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	8	1.09
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	8	1.09
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	1	1.09
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	18	1.09
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	2	1.09
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	3	1.09
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	3	1.09
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	3	1.09
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	11	1.09
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	11	1.09
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	11	1.09
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	13	1.09
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	13	1.09
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	13	1.09
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	2	1.09
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	2	1.09
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	2	1.09
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	6	1.09
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	6	1.09
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	6	1.09
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	13	1.09
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	13	1.09
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	13	1.09
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	6	1.09
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	20	1.09
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	1	1.09
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	20	1.09
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	20	1.09
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	17	1.09
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	17	1.09
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	17	1.09
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	3	1.09
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	11	1.09
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	11	1.09
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	11	1.09
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	5	1.09
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	6	1.09
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	8	1.09
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	12	1.09
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	15	1.09
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	14	1.09
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	16	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	8	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	8	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	8	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	10	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	10	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	10	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	13	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	13	1.09
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	13	1.09
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	12	1.09
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	12	1.09
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	12	1.09
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	13	1.09
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	13	1.09
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	13	1.09
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	7	1.09
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	7	1.09
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	18	1.09
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	1	1.09
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	3	1.09
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	5	1.09
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	9	1.09
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	4	1.09
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	11	1.09
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	14	1.09
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	16	1.09
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	4	1.09
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	4	1.09
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	4	1.09
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	2	1.09
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	16	1.09
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	20	1.09
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	7	1.09
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	8	1.09
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	18	1.09
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	9	1.09
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	8	1.09
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	8	1.09
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	8	1.09
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	3	1.09
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	7	1.09
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	12	1.09
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	2	1.09
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	2	1.09
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	2	1.09
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	9	1.09
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	14	1.09
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	18	1.09
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	11	1.09
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	16	1.08
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	11	1.08
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	11	1.08
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	11	1.08
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	2	1.08
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	11	1.08
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	9	1.08
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	6	1.08
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	16	1.08
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	16	1.08
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	16	1.08
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	19	1.08
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	12	1.08
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	10	1.08
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	10	1.08
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	10	1.08
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	12	1.08
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	14	1.08
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	4	1.08
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	4	1.08
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	1	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	1	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	1	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	2	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	2	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	2	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	3	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	3	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	3	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	4	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	4	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	4	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	5	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	5	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	5	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	6	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	6	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	6	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	7	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	7	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	7	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	8	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	8	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	8	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	9	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	9	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	9	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	10	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	10	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	10	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	11	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	11	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	11	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	12	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	12	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	12	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	13	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	13	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	15	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	15	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	15	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	16	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	16	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	16	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	17	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	17	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	17	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	18	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	18	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	18	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	19	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	19	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	19	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD11	20	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD12	20	1.08
(2,1452)	1:59:A:ILE:HG13	1:59:A:ILE:HD13	20	1.08
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	1	1.08
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	15	1.08
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	15	1.08
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	15	1.08
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	15	1.08
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	7	1.08
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	3	1.08
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	9	1.08
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	15	1.08
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	10	1.08
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	1	1.08
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	8	1.08
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	8	1.08
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	8	1.08
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	8	1.08
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	8	1.08
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	8	1.08
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	8	1.08
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	8	1.08
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	8	1.08
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	1	1.08
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	1	1.08
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	1	1.08
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	5	1.08
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	5	1.08
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	9	1.08
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	9	1.08
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	9	1.08
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	11	1.08
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	11	1.08
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	11	1.08
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	15	1.08
(2,1354)	1:114:A:TRP:HB2	1:114:A:TRP:HA	18	1.08
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	3	1.08
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	1	1.08
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	5	1.08
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	11	1.08
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	8	1.08
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	18	1.08
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	8	1.08
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	13	1.08
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	6	1.08
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	5	1.08
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	7	1.08
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	8	1.08
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	8	1.08
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	8	1.08
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	9	1.08
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	17	1.08
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	4	1.08
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	1	1.08
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	7	1.08
(2,1026)	1:99:A:PRO:HB3	1:99:A:PRO:HA	11	1.08
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	19	1.08
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	5	1.08
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	14	1.08
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	18	1.08
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	18	1.08
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	18	1.08
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	2	1.08
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	14	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	1	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	6	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	7	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	10	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	11	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	13	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	14	1.08
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	20	1.08
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	10	1.08
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	10	1.08
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	10	1.08
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	10	1.08
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	10	1.08
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	10	1.08
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	10	1.08
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	10	1.08
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	10	1.08
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	8	1.08
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	9	1.08
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	14	1.08
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	15	1.08
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	6	1.08
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	6	1.08
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	9	1.08
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	11	1.08
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	9	1.08
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	9	1.08
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	9	1.08
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	13	1.08
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	13	1.08
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	13	1.08
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	3	1.08
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	3	1.08
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	3	1.08
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	3	1.08
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	4	1.08
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	4	1.08
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	4	1.08
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	8	1.08
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	8	1.08
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	8	1.08
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	5	1.08
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	15	1.08
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	15	1.08
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	7	1.08
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	7	1.08
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	7	1.08
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	7	1.08
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	7	1.08
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	7	1.08
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	14	1.08
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	14	1.08
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	14	1.08
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	14	1.08
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	14	1.08
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	14	1.08
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	3	1.08
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	8	1.08
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	13	1.08
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	13	1.08
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	13	1.08
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	6	1.08
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	10	1.08
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	17	1.08
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	15	1.08
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	15	1.08
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	15	1.08
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	18	1.08
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	18	1.08
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	18	1.08
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	3	1.08
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	1	1.08
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	1	1.08
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	1	1.08
(2,550)	1:66:A:LEU:HG	1:66:A:LEU:H	18	1.08
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	12	1.08
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	12	1.08
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	12	1.08
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	19	1.08
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	19	1.08
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	19	1.08
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	2	1.08
(2,524)	1:65:A:SER:HA	1:65:A:SER:H	18	1.08
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	16	1.08
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	16	1.08
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	3	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	3	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	3	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	4	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	4	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	4	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	11	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	11	1.08
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	11	1.08
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	17	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	16	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	16	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	16	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	18	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	18	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	18	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	20	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	20	1.08
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	20	1.08
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	4	1.08
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	20	1.08
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	2	1.08
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	9	1.08
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	16	1.08
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	4	1.08
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	8	1.08
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	9	1.08
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	12	1.08
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	20	1.08
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	18	1.08
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	15	1.08
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	20	1.08
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	11	1.08
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	9	1.08
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	15	1.08
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	6	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	1	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	3	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	4	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	5	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	6	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	8	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	9	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	10	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	11	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	12	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	13	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	14	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	15	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	17	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	18	1.08
(2,147)	1:31:A:ASP:HB2	1:31:A:ASP:HB3	19	1.08
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	6	1.08
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	13	1.08
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	6	1.08
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	6	1.08
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	6	1.08
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	6	1.08
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	6	1.08
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	6	1.08
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	6	1.08
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	6	1.08
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	6	1.08
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	16	1.08
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	20	1.08
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	20	1.08
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	20	1.08
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	20	1.08
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	20	1.08
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	20	1.08
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	20	1.08
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	20	1.08
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	20	1.08
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	20	1.08
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	12	1.08
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	16	1.08
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	20	1.08
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	12	1.08
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	12	1.08
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	12	1.08
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	6	1.08
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	3	1.08
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	3	1.08
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	5	1.08
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	5	1.08
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	5	1.08
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	5	1.07
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	5	1.07
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	5	1.07
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	5	1.07
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	5	1.07
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	5	1.07
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	13	1.07
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	13	1.07
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	13	1.07
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	10	1.07
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	9	1.07
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	3	1.07
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	3	1.07
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	3	1.07
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	1	1.07
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	7	1.07
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	7	1.07
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	7	1.07
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	16	1.07
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	3	1.07
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	3	1.07
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	2	1.07
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	16	1.07
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	17	1.07
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	18	1.07
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	11	1.07
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	8	1.07
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	1	1.07
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	1.07
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	1.07
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	1.07
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	19	1.07
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	19	1.07
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	19	1.07
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	4	1.07
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	4	1.07
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	4	1.07
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	6	1.07
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	6	1.07
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	4	1.07
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	16	1.07
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	2	1.07
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	6	1.07
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	6	1.07
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	6	1.07
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	12	1.07
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	12	1.07
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	12	1.07
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	17	1.07
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	17	1.07
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	17	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	2	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	2	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	2	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	6	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	6	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	6	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	9	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	9	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	9	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	12	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	12	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	12	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	14	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	14	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	14	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	15	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	15	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	15	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	17	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	17	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	17	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	19	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	19	1.07
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	19	1.07
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	6	1.07
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	10	1.07
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	10	1.07
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	6	1.07
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	6	1.07
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	6	1.07
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	7	1.07
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	9	1.07
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	9	1.07
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	14	1.07
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	2	1.07
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	5	1.07
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	7	1.07
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	20	1.07
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	8	1.07
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	8	1.07
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	8	1.07
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	16	1.07
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	19	1.07
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	17	1.07
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	17	1.07
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	17	1.07
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	5	1.07
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	12	1.07
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	19	1.07
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	2	1.07
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	16	1.07
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	18	1.07
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	7	1.07
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	6	1.07
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	6	1.07
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	6	1.07
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	11	1.07
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	11	1.07
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	11	1.07
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	19	1.07
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	19	1.07
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	19	1.07
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	7	1.07
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	9	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	2	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	3	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	4	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	5	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	12	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	15	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	16	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	17	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	18	1.07
(2,982)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	19	1.07
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	18	1.07
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	18	1.07
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	18	1.07
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	3	1.07
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	3	1.07
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	3	1.07
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	16	1.07
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	8	1.07
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	14	1.07
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	20	1.07
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	20	1.07
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	11	1.07
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	11	1.07
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	11	1.07
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	15	1.07
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	15	1.07
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	15	1.07
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	17	1.07
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	17	1.07
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	17	1.07
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	15	1.07
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	15	1.07
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	15	1.07
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	3	1.07
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	3	1.07
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	3	1.07
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	3	1.07
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	3	1.07
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	3	1.07
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	14	1.07
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	15	1.07
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	15	1.07
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	15	1.07
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	18	1.07
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	14	1.07
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:66:A:LEU:HG	1:66:A:LEU:H	4	1.07
(2,550)	1:66:A:LEU:HG	1:66:A:LEU:H	20	1.07
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	1	1.07
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	1	1.07
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	1	1.07
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	14	1.07
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	14	1.07
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	14	1.07
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	6	1.07
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	6	1.07
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	6	1.07
(2,517)	1:63:A:LEU:H	1:63:A:LEU:HG	2	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	13	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	13	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	13	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	14	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	14	1.07
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	14	1.07
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	5	1.07
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	9	1.07
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	9	1.07
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	9	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	8	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	8	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	8	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	15	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	15	1.07
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	15	1.07
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	9	1.07
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	12	1.07
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	17	1.07
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	8	1.07
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	2	1.07
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	2	1.07
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	2	1.07
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	3	1.07
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	5	1.07
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	6	1.07
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	10	1.07
(2,388)	1:50:A:LEU:H	1:50:A:LEU:HB2	11	1.07
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	7	1.07
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	7	1.07
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	11	1.07
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	11	1.07
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	11	1.07
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	15	1.07
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	15	1.07
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	15	1.07
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	16	1.07
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	16	1.07
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	16	1.07
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	19	1.07
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	19	1.07
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	19	1.07
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	18	1.07
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	10	1.07
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	9	1.07
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	10	1.07
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	13	1.07
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	18	1.07
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	13	1.07
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	5	1.07
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	6	1.07
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	20	1.07
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	2	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	1	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	1	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	1	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	2	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	2	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	2	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	3	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	3	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	3	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	5	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	5	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	5	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	6	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	6	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	6	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	7	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	7	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	9	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	9	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	9	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	10	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	10	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	10	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	11	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	11	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	11	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	12	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	12	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	12	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	13	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	13	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	13	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	14	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	14	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	14	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	16	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	16	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	16	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	18	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	18	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	18	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	20	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	20	1.07
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	20	1.07
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	3	1.07
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	4	1.07
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	14	1.07
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	15	1.07
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	15	1.07
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	15	1.07
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	15	1.07
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	10	1.07
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	10	1.07
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	10	1.07
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	15	1.07
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	1	1.07
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	14	1.06
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	15	1.06
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	15	1.06
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	11	1.06
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	11	1.06
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	11	1.06
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	13	1.06
(2,2512)	1:85:A:VAL:HG21	1:84:A:LYS:H	12	1.06
(2,2512)	1:85:A:VAL:HG22	1:84:A:LYS:H	12	1.06
(2,2512)	1:85:A:VAL:HG23	1:84:A:LYS:H	12	1.06
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	16	1.06
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	16	1.06
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	16	1.06
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	2	1.06
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	2	1.06
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	2	1.06
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	4	1.06
(2,2239)	1:108:A:PRO:HB2	1:38:A:ALA:H	11	1.06
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	3	1.06
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	12	1.06
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	12	1.06
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	12	1.06
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	8	1.06
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	7	1.06
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	9	1.06
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	19	1.06
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	11	1.06
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	11	1.06
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	11	1.06
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	11	1.06
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	11	1.06
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	11	1.06
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	11	1.06
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	11	1.06
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	11	1.06
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	12	1.06
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	18	1.06
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	12	1.06
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	12	1.06
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	12	1.06
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	2	1.06
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	3	1.06
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	3	1.06
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	17	1.06
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	17	1.06
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	17	1.06
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	13	1.06
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	13	1.06
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	13	1.06
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	18	1.06
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	18	1.06
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	18	1.06
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	8	1.06
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	7	1.06
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	7	1.06
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	18	1.06
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	18	1.06
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	3	1.06
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	17	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	3	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	3	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	3	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	8	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	8	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	8	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	10	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	10	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	10	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	11	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	11	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	11	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	13	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	13	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	13	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	15	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	15	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	15	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	16	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	16	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	16	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	18	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	18	1.06
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	18	1.06
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	20	1.06
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	20	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	1	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	1	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	1	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	3	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	3	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	3	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	4	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	4	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	4	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	5	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	5	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	5	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	7	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	7	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	7	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	8	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	8	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	8	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	10	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	10	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	10	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	11	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	11	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	11	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	13	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	13	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	13	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	16	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	16	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	16	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	18	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	18	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	18	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD11	20	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD12	20	1.06
(2,1380)	1:115:A:ILE:HG13	1:115:A:ILE:HD13	20	1.06
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	20	1.06
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	20	1.06
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	20	1.06
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	11	1.06
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	11	1.06
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	11	1.06
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	11	1.06
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	11	1.06
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	11	1.06
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	11	1.06
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	11	1.06
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	16	1.06
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	13	1.06
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	13	1.06
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	13	1.06
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	3	1.06
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	9	1.06
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	14	1.06
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	16	1.06
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	3	1.06
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	16	1.06
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	18	1.06
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	3	1.06
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	11	1.06
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	15	1.06
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	7	1.06
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	16	1.06
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	19	1.06
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	6	1.06
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	10	1.06
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	8	1.06
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	2	1.06
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	3	1.06
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	15	1.06
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	5	1.06
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	8	1.06
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	1	1.06
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	4	1.06
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	8	1.06
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	9	1.06
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	9	1.06
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	9	1.06
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	9	1.06
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	9	1.06
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	9	1.06
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	9	1.06
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	9	1.06
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	4	1.06
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	13	1.06
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	5	1.06
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	5	1.06
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	5	1.06
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	1	1.06
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	1	1.06
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	1	1.06
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	5	1.06
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	8	1.06
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	17	1.06
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	16	1.06
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	10	1.06
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	12	1.06
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	2	1.06
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	19	1.06
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	17	1.06
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	17	1.06
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	17	1.06
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	12	1.06
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	17	1.06
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	17	1.06
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	17	1.06
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	14	1.06
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	9	1.06
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	11	1.06
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	13	1.06
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	13	1.06
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	13	1.06
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	2	1.06
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	2	1.06
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	2	1.06
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	12	1.06
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	12	1.06
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	12	1.06
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	15	1.06
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	14	1.06
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	14	1.06
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	14	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	9	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	9	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	18	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	18	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	18	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	19	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	19	1.06
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	19	1.06
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	9	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	5	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	5	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	5	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	9	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	9	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	9	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	14	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	14	1.06
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	14	1.06
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	15	1.06
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	3	1.06
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	10	1.06
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	14	1.06
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	10	1.06
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	1	1.06
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	11	1.06
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	17	1.06
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	16	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	1	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	3	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	4	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	5	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	6	1.06
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	17	1.06
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	7	1.06
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	7	1.06
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	7	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	5	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	5	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	5	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	6	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	6	1.06
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	5	1.06
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	5	1.06
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	5	1.06
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	17	1.06
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	17	1.06
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	17	1.06
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	19	1.06
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	13	1.06
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	10	1.06
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	3	1.06
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	12	1.06
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	6	1.06
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	6	1.06
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	6	1.06
(2,146)	1:31:A:ASP:HA	1:31:A:ASP:HB2	10	1.06
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	9	1.06
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	18	1.06
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	10	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	4	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	4	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	4	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	8	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	8	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	8	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	15	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	15	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	15	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	17	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	17	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	17	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG21	19	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG22	19	1.06
(2,60)	1:25:A:VAL:HB	1:25:A:VAL:HG23	19	1.06
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	9	1.06
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	13	1.06
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	13	1.06
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	13	1.06
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	20	1.06
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	20	1.06
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	20	1.06
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	4	1.06
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	4	1.06
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	18	1.06
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	18	1.06
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	18	1.06
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	20	1.06
(1,968)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	19	1.06
(1,968)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	19	1.06
(1,968)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	19	1.06
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	7	1.06
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	7	1.06
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	7	1.06
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	14	1.06
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	5	1.06
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	8	1.06
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	17	1.05
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	4	1.05
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	4	1.05
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	4	1.05
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	10	1.05
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	10	1.05
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	10	1.05
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	20	1.05
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	17	1.05
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	9	1.05
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	2	1.05
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	2	1.05
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	2	1.05
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	7	1.05
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	9	1.05
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	10	1.05
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	10	1.05
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	15	1.05
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	1	1.05
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	3	1.05
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	20	1.05
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	3	1.05
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	3	1.05
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	3	1.05
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	8	1.05
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	8	1.05
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	11	1.05
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	17	1.05
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	5	1.05
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	3	1.05
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	3	1.05
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	3	1.05
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	3	1.05
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	2	1.05
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	18	1.05
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	6	1.05
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	6	1.05
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	6	1.05
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	13	1.05
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	13	1.05
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	13	1.05
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	8	1.05
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	9	1.05
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	9	1.05
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	15	1.05
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	7	1.05
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	7	1.05
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	7	1.05
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	1	1.05
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	4	1.05
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	4	1.05
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	9	1.05
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	9	1.05
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	12	1.05
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	9	1.05
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	15	1.05
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	4	1.05
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	4	1.05
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	4	1.05
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	7	1.05
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	7	1.05
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	7	1.05
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	9	1.05
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	9	1.05
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	9	1.05
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	19	1.05
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	19	1.05
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	19	1.05
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	1	1.05
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	1	1.05
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	1	1.05
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	1	1.05
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	1	1.05
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	1	1.05
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	1	1.05
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	1	1.05
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	11	1.05
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	11	1.05
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	11	1.05
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	3	1.05
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	4	1.05
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	18	1.05
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	18	1.05
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	18	1.05
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	18	1.05
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	2	1.05
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	8	1.05
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	20	1.05
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	5	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	1	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	4	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	6	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	9	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	10	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	11	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	12	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	13	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	14	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	15	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	17	1.05
(2,1171)	1:104:A:LYS:HA	1:104:A:LYS:HB2	19	1.05
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	5	1.05
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	7	1.05
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	20	1.05
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	9	1.05
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	4	1.05
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	7	1.05
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	7	1.05
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	7	1.05
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	3	1.05
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	3	1.05
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	3	1.05
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	10	1.05
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	16	1.05
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	17	1.05
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	4	1.05
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	12	1.05
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	7	1.05
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	8	1.05
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	4	1.05
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	17	1.05
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	17	1.05
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	17	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	1	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	2	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	3	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	4	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	5	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	6	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	7	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	8	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	9	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	10	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	11	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	12	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	13	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	14	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	15	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	16	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	17	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	18	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	19	1.05
(2,1002)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	20	1.05
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	6	1.05
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	8	1.05
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	11	1.05
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	2	1.05
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	2	1.05
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	2	1.05
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	15	1.05
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	3	1.05
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	3	1.05
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	1	1.05
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	9	1.05
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	1	1.05
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	2	1.05
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	8	1.05
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	12	1.05
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	12	1.05
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	12	1.05
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	1	1.05
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	16	1.05
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	14	1.05
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	14	1.05
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	14	1.05
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	9	1.05
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	9	1.05
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	9	1.05
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	10	1.05
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	10	1.05
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	10	1.05
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	2	1.05
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	3	1.05
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	3	1.05
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	3	1.05
(2,681)	1:73:A:LEU:H	1:73:A:LEU:HB2	13	1.05
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	14	1.05
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	14	1.05
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	14	1.05
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	15	1.05
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	15	1.05
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	15	1.05
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	15	1.05
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	15	1.05
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	15	1.05
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	20	1.05
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	13	1.05
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	18	1.05
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	18	1.05
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	18	1.05
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	13	1.05
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	17	1.05
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	17	1.05
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	10	1.05
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	10	1.05
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	10	1.05
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	5	1.05
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	16	1.05
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	16	1.05
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	16	1.05
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	15	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	10	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	10	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	10	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	13	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	13	1.05
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	13	1.05
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	5	1.05
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	13	1.05
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	18	1.05
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	19	1.05
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	10	1.05
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	4	1.05
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	1	1.05
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	2	1.05
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	16	1.05
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	19	1.05
(2,397)	1:52:A:LEU:HB2	1:52:A:LEU:HA	19	1.05
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	10	1.05
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	13	1.05
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	14	1.05
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	8	1.05
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	3	1.05
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	3	1.05
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	3	1.05
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	10	1.05
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	10	1.05
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	10	1.05
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	20	1.05
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	20	1.05
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	20	1.05
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	3	1.05
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	20	1.05
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	17	1.05
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	2	1.05
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	15	1.05
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	5	1.05
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	4	1.05
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	14	1.05
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	19	1.05
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	18	1.05
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	18	1.05
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	18	1.05
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	14	1.05
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	1	1.05
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	1	1.05
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	1	1.05
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	13	1.05
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	8	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	3	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	3	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	3	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	4	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	4	1.05
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	4	1.05
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	5	1.05
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	5	1.05
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	5	1.05
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	15	1.05
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	15	1.05
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	15	1.05
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	15	1.05
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	15	1.05
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	15	1.05
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	15	1.05
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	15	1.05
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	15	1.05
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	1	1.05
(2,77)	1:26:A:LEU:HA	1:26:A:LEU:HB3	8	1.05
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	7	1.05
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	7	1.05
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	7	1.05
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	2	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	2	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	3	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	4	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	5	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	6	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	7	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	8	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	9	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	10	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	11	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	12	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	13	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	14	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	15	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	16	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	17	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	18	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	19	1.05
(2,40)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	20	1.05
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	10	1.05
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	10	1.05
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	10	1.05
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	6	1.05
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	14	1.05
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	8	1.05
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	8	1.05
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	8	1.05
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	19	1.05
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	18	1.05
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	18	1.05
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	18	1.05
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	18	1.05
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	18	1.05
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	18	1.05
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	18	1.05
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	18	1.05
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	18	1.05
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	9	1.05
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	4	1.04
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	13	1.04
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	9	1.04
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	9	1.04
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	5	1.04
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	6	1.04
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	13	1.04
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	13	1.04
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	13	1.04
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	8	1.04
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	3	1.04
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	17	1.04
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	18	1.04
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	15	1.04
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	17	1.04
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	17	1.04
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	17	1.04
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	17	1.04
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	17	1.04
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	17	1.04
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	17	1.04
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	17	1.04
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	17	1.04
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	14	1.04
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	14	1.04
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	14	1.04
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	14	1.04
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	14	1.04
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	14	1.04
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	14	1.04
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	14	1.04
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	14	1.04
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	6	1.04
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	7	1.04
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	8	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	4	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	4	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	4	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	11	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	11	1.04
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	11	1.04
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	2	1.04
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	2	1.04
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	2	1.04
(2,1424)	1:73:A:LEU:HD11	1:118:A:PHE:HB3	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1424)	1:73:A:LEU:HD12	1:118:A:PHE:HB3	10	1.04
(2,1424)	1:73:A:LEU:HD13	1:118:A:PHE:HB3	10	1.04
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	6	1.04
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	11	1.04
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	13	1.04
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	10	1.04
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	17	1.04
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	13	1.04
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	18	1.04
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	14	1.04
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	14	1.04
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	14	1.04
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	7	1.04
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	3	1.04
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	3	1.04
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	3	1.04
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	3	1.04
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	3	1.04
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	3	1.04
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	3	1.04
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	3	1.04
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	3	1.04
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	3	1.04
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	3	1.04
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	3	1.04
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	8	1.04
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	8	1.04
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	8	1.04
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	15	1.04
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	15	1.04
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	15	1.04
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	13	1.04
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	13	1.04
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	13	1.04
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	13	1.04
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	15	1.04
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	15	1.04
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	15	1.04
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	20	1.04
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	20	1.04
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	20	1.04
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	4	1.04
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	4	1.04
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	20	1.04
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	20	1.04
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	20	1.04
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	8	1.04
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	8	1.04
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	8	1.04
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	20	1.04
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	20	1.04
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	20	1.04
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	10	1.04
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	13	1.04
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	17	1.04
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	1	1.04
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	2	1.04
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	20	1.04
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	4	1.04
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	10	1.04
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	14	1.04
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	17	1.04
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	13	1.04
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	3	1.04
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	3	1.04
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	3	1.04
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	1	1.04
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	1	1.04
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	1	1.04
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	1	1.04
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	5	1.04
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	15	1.04
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	15	1.04
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	15	1.04
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	13	1.04
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	14	1.04
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	3	1.04
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	11	1.04
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	5	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	1	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	2	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	3	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	5	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	6	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	7	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	8	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	9	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	10	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	11	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	12	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	13	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	14	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	15	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	16	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	17	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	18	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	19	1.04
(2,1043)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	20	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	1	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	2	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	3	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	4	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	5	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	6	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	7	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	9	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	10	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	11	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	12	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	13	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	14	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	15	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	16	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	17	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	18	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	19	1.04
(2,1032)	1:99:A:PRO:HD2	1:99:A:PRO:HD3	20	1.04
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	7	1.04
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	12	1.04
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	20	1.04
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	11	1.04
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	11	1.04
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	11	1.04
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	3	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	3	1.04
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	3	1.04
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	5	1.04
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	5	1.04
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	5	1.04
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	6	1.04
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	6	1.04
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	6	1.04
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	6	1.04
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	6	1.04
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	6	1.04
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	6	1.04
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	6	1.04
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	6	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	2	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	4	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	7	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	8	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	10	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	13	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	16	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	17	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	19	1.04
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	20	1.04
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	13	1.04
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	19	1.04
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	17	1.04
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	11	1.04
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	11	1.04
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	11	1.04
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	2	1.04
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	20	1.04
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	20	1.04
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	20	1.04
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	8	1.04
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	8	1.04
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	8	1.04
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	9	1.04
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	9	1.04
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	9	1.04
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	12	1.04
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	17	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	17	1.04
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	17	1.04
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	6	1.04
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	12	1.04
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	12	1.04
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	12	1.04
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	12	1.04
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	17	1.04
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	17	1.04
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	17	1.04
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	11	1.04
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	11	1.04
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	11	1.04
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	8	1.04
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	8	1.04
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	8	1.04
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	7	1.04
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	11	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	1	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	1	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	1	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	17	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	17	1.04
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	17	1.04
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	6	1.04
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	6	1.04
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	6	1.04
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	7	1.04
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	17	1.04
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	2	1.04
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	3	1.04
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	6	1.04
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	10	1.04
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	14	1.04
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	17	1.04
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	14	1.04
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	3	1.04
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	15	1.04
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	1	1.04
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	1	1.04
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	1	1.04
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	9	1.04
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	9	1.04
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	2	1.04
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	2	1.04
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	2	1.04
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	18	1.04
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	18	1.04
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	18	1.04
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	7	1.04
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	7	1.04
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	7	1.04
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	7	1.04
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	7	1.04
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	7	1.04
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	7	1.04
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	7	1.04
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	7	1.04
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	7	1.04
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	7	1.04
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	7	1.04
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	9	1.04
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	9	1.04
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	9	1.04
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	2	1.04
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	14	1.04
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	18	1.04
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	4	1.04
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	1	1.04
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	5	1.04
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	13	1.04
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	3	1.04
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	10	1.04
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	5	1.04
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	5	1.04
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	11	1.04
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	19	1.04
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	1	1.04
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	4	1.04
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	7	1.04
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	7	1.04
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	7	1.04
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	19	1.04
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	19	1.04
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	4	1.04
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	4	1.04
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	4	1.04
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	4	1.04
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	4	1.04
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	20	1.04
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	20	1.04
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	20	1.04
(1,695)	1:101:A:ARG:HB2	1:73:A:LEU:HA	12	1.04
(1,689)	1:74:A:VAL:HG11	1:76:A:LEU:HB2	14	1.04
(1,689)	1:74:A:VAL:HG12	1:76:A:LEU:HB2	14	1.04
(1,689)	1:74:A:VAL:HG13	1:76:A:LEU:HB2	14	1.04
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	13	1.04
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	4	1.03
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	13	1.03
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	3	1.03
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	8	1.03
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	8	1.03
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	8	1.03
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	2	1.03
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	2	1.03
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	2	1.03
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	16	1.03
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	14	1.03
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	15	1.03
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	4	1.03
(2,2527)	1:85:A:VAL:HG21	1:82:A:ALA:H	15	1.03
(2,2527)	1:85:A:VAL:HG22	1:82:A:ALA:H	15	1.03
(2,2527)	1:85:A:VAL:HG23	1:82:A:ALA:H	15	1.03
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	13	1.03
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	7	1.03
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	7	1.03
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	7	1.03
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	17	1.03
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	14	1.03
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	12	1.03
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	20	1.03
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE1	7	1.03
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE2	7	1.03
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE1	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE2	10	1.03
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	17	1.03
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	6	1.03
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	14	1.03
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	15	1.03
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	3	1.03
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	16	1.03
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	5	1.03
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	11	1.03
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	11	1.03
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	11	1.03
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	17	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	2	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	6	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	7	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	8	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	10	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	11	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	15	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	18	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	19	1.03
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	20	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	2	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	3	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	4	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	5	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	6	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	7	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	8	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	9	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	10	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	11	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	13	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	14	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	15	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	17	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	18	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	19	1.03
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	20	1.03
(2,1477)	1:62:A:ILE:HA	1:62:A:ILE:HG12	18	1.03
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	3	1.03
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	3	1.03
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	5	1.03
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	5	1.03
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	5	1.03
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	7	1.03
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	7	1.03
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	7	1.03
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	10	1.03
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	10	1.03
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	10	1.03
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	18	1.03
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	18	1.03
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	18	1.03
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	2	1.03
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	12	1.03
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	20	1.03
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	20	1.03
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	20	1.03
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	10	1.03
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	10	1.03
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	10	1.03
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	2	1.03
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	17	1.03
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	19	1.03
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	15	1.03
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	15	1.03
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	17	1.03
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	9	1.03
(2,1381)	1:115:A:ILE:HD11	1:115:A:ILE:HB	2	1.03
(2,1381)	1:115:A:ILE:HD12	1:115:A:ILE:HB	2	1.03
(2,1381)	1:115:A:ILE:HD13	1:115:A:ILE:HB	2	1.03
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	11	1.03
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	6	1.03
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	6	1.03
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	6	1.03
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	14	1.03
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	5	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	4	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	5	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	7	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	9	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	11	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	15	1.03
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	20	1.03
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	4	1.03
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	4	1.03
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	4	1.03
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	19	1.03
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	19	1.03
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	12	1.03
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	12	1.03
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	12	1.03
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	8	1.03
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	8	1.03
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	8	1.03
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	1	1.03
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	20	1.03
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	8	1.03
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	17	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	1	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	2	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	3	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	5	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	6	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	7	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	8	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	9	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	11	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	12	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	13	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	15	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	16	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	18	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	19	1.03
(2,1152)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.03
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	6	1.03
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	10	1.03
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	20	1.03
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	1	1.03
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	1	1.03
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	1	1.03
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	9	1.03
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	1	1.03
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	6	1.03
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	1	1.03
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	2	1.03
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	11	1.03
(2,1076)	1:101:A:ARG:H	1:101:A:ARG:HB2	3	1.03
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	2	1.03
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	6	1.03
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	13	1.03
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	14	1.03
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	20	1.03
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	7	1.03
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	16	1.03
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	12	1.03
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	12	1.03
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	12	1.03
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	15	1.03
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	15	1.03
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	15	1.03
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	3	1.03
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	10	1.03
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	11	1.03
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	18	1.03
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	18	1.03
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	18	1.03
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	1	1.03
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	19	1.03
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	19	1.03
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	19	1.03
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	7	1.03
(2,892)	1:86:A:LYS:HA	1:86:A:LYS:HD2	7	1.03
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	19	1.03
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	19	1.03
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	19	1.03
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	3	1.03
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	5	1.03
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	11	1.03
(2,870)	1:85:A:VAL:HB	1:85:A:VAL:HA	18	1.03
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	13	1.03
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	19	1.03
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	3	1.03
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	12	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	6	1.03
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	17	1.03
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	17	1.03
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	17	1.03
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	7	1.03
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	7	1.03
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	7	1.03
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	7	1.03
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	7	1.03
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	7	1.03
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	7	1.03
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	7	1.03
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	7	1.03
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	18	1.03
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	2	1.03
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	2	1.03
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	2	1.03
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	6	1.03
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	14	1.03
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	8	1.03
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	13	1.03
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	13	1.03
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	13	1.03
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	6	1.03
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	6	1.03
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	6	1.03
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	17	1.03
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	17	1.03
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	17	1.03
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	14	1.03
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	14	1.03
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	14	1.03
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	10	1.03
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	12	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	1	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	3	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	4	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	5	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	6	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	7	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	8	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	10	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	11	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	12	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	13	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	15	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	16	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	17	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	18	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	19	1.03
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	20	1.03
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	15	1.03
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	4	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	4	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	4	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	4	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	17	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	17	1.03
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	17	1.03
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	1	1.03
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	10	1.03
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	12	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	4	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	4	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	4	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	8	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	8	1.03
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	8	1.03
(2,425)	1:112:A:LYS:HB3	1:112:A:LYS:HA	13	1.03
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	20	1.03
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	11	1.03
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	18	1.03
(2,407)	1:53:A:GLU:HA	1:53:A:GLU:H	7	1.03
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	5	1.03
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	5	1.03
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	19	1.03
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	19	1.03
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	19	1.03
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	19	1.03
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	20	1.03
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	20	1.03
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	20	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	1	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	1	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	2	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	2	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	2	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	3	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	3	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	3	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	4	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	4	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	4	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	5	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	5	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	5	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	6	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	6	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	6	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	7	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	7	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	7	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	8	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	8	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	8	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	9	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	9	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	9	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	10	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	10	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	10	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	11	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	11	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	11	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	12	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	12	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	12	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	13	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	13	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	13	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	14	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	14	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	14	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	15	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	15	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	16	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	16	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	16	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	17	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	17	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	17	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	18	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	18	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	18	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	19	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	19	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	19	1.03
(2,355)	1:50:A:LEU:HD11	1:50:A:LEU:HG	20	1.03
(2,355)	1:50:A:LEU:HD12	1:50:A:LEU:HG	20	1.03
(2,355)	1:50:A:LEU:HD13	1:50:A:LEU:HG	20	1.03
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	15	1.03
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	15	1.03
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	15	1.03
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	2	1.03
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	2	1.03
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	2	1.03
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	14	1.03
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	14	1.03
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	14	1.03
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	6	1.03
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	12	1.03
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	2	1.03
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	2	1.03
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	2	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	13	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	13	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	13	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	19	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	19	1.03
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	19	1.03
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	14	1.03
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	2	1.03
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	12	1.03
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	8	1.03
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	9	1.03
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	9	1.03
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	9	1.03
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	9	1.03
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	11	1.03
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	18	1.03
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	7	1.03
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	15	1.03
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	15	1.03
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	15	1.03
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	5	1.03
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	12	1.03
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	12	1.03
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	12	1.03
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	12	1.03
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	12	1.03
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	12	1.03
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	12	1.03
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	12	1.03
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	12	1.03
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	12	1.03
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	12	1.03
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	12	1.03
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	10	1.03
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	6	1.03
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	8	1.03
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	10	1.03
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	8	1.03
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	8	1.03
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	8	1.03
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	17	1.03
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	8	1.03
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	8	1.03
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	8	1.03
(1,1856)	1:85:A:VAL:HG11	1:28:A:TRP:HE1	12	1.03
(1,1856)	1:85:A:VAL:HG12	1:28:A:TRP:HE1	12	1.03
(1,1856)	1:85:A:VAL:HG13	1:28:A:TRP:HE1	12	1.03
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	16	1.03
(1,1187)	1:91:A:LYS:H	1:91:A:LYS:HD2	18	1.03
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	16	1.03
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG11	13	1.03
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG12	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG13	13	1.03
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	10	1.03
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	16	1.03
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD21	18	1.03
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD22	18	1.03
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD23	18	1.03
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	14	1.02
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	14	1.02
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	14	1.02
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	16	1.02
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	4	1.02
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	4	1.02
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	4	1.02
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	2	1.02
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	2	1.02
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	2	1.02
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	17	1.02
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	17	1.02
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	17	1.02
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	10	1.02
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	20	1.02
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	20	1.02
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	20	1.02
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	13	1.02
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	13	1.02
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	13	1.02
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	18	1.02
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	18	1.02
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	18	1.02
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	1	1.02
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	1	1.02
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	1	1.02
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	2	1.02
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	3	1.02
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	19	1.02
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	10	1.02
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	18	1.02
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	13	1.02
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	7	1.02
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	5	1.02
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	8	1.02
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	7	1.02
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	7	1.02
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	7	1.02
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	13	1.02
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	5	1.02
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	14	1.02
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	3	1.02
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	4	1.02
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	9	1.02
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	6	1.02
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	19	1.02
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	19	1.02
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	19	1.02
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	20	1.02
(2,1534)	1:89:A:ILE:HG21	1:92:A:LYS:HB2	20	1.02
(2,1534)	1:89:A:ILE:HG22	1:92:A:LYS:HB2	20	1.02
(2,1534)	1:89:A:ILE:HG23	1:92:A:LYS:HB2	20	1.02
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	4	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	1	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	3	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	4	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	5	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	9	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	12	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	13	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	14	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	16	1.02
(2,1502)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	17	1.02
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	1	1.02
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	12	1.02
(2,1501)	1:52:A:LEU:HB2	1:52:A:LEU:HB3	16	1.02
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	14	1.02
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	9	1.02
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	9	1.02
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	9	1.02
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	15	1.02
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	18	1.02
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	12	1.02
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	12	1.02
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	12	1.02
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	7	1.02
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	7	1.02
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	7	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	7	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	7	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	7	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	7	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	7	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	7	1.02
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	11	1.02
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	11	1.02
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	11	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	11	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	11	1.02
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	11	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	11	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	11	1.02
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	11	1.02
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	16	1.02
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	5	1.02
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	5	1.02
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	5	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	1	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	2	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	3	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	6	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	8	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	12	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	13	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	14	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	16	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	17	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	18	1.02
(2,1259)	1:39:A:ARG:HG2	1:39:A:ARG:HG3	19	1.02
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	3	1.02
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	11	1.02
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	9	1.02
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	9	1.02
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	9	1.02
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	5	1.02
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	5	1.02
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	5	1.02
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	10	1.02
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	10	1.02
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	15	1.02
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	15	1.02
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	15	1.02
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	11	1.02
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	11	1.02
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	11	1.02
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	6	1.02
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	15	1.02
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	11	1.02
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	13	1.02
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	12	1.02
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	9	1.02
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	5	1.02
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	18	1.02
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	5	1.02
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	9	1.02
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	1	1.02
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	1	1.02
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	1	1.02
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	10	1.02
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	15	1.02
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	10	1.02
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	15	1.02
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	11	1.02
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	11	1.02
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	11	1.02
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	7	1.02
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	7	1.02
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	7	1.02
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	12	1.02
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	16	1.02
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	18	1.02
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	20	1.02
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	13	1.02
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	8	1.02
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	13	1.02
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	13	1.02
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	13	1.02
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	7	1.02
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	1	1.02
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	1	1.02
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	13	1.02
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	7	1.02
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	7	1.02
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	7	1.02
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	7	1.02
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	7	1.02
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	7	1.02
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	7	1.02
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	7	1.02
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	7	1.02
(2,892)	1:86:A:LYS:HA	1:86:A:LYS:HD2	12	1.02
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	14	1.02
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	14	1.02
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	14	1.02
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	10	1.02
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	18	1.02
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	17	1.02
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	17	1.02
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	17	1.02
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	16	1.02
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	18	1.02
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	18	1.02
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	18	1.02
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	16	1.02
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	2	1.02
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	9	1.02
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	9	1.02
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	9	1.02
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	3	1.02
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	3	1.02
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	3	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	3	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	3	1.02
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	3	1.02
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	3	1.02
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	3	1.02
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	3	1.02
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	7	1.02
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	14	1.02
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	15	1.02
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	15	1.02
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	1	1.02
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	1	1.02
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	1	1.02
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	1	1.02
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	3	1.02
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	5	1.02
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	8	1.02
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	13	1.02
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	19	1.02
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	19	1.02
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	19	1.02
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	19	1.02
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	19	1.02
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	19	1.02
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	8	1.02
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	8	1.02
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	8	1.02
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	17	1.02
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	17	1.02
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	17	1.02
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	1	1.02
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	1	1.02
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	1	1.02
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	15	1.02
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	15	1.02
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	15	1.02
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	3	1.02
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	3	1.02
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	3	1.02
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	1	1.02
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	1	1.02
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	1	1.02
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	19	1.02
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	19	1.02
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	19	1.02
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	5	1.02
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	19	1.02
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	2	1.02
(2,587)	1:69:A:PRO:HB2	1:69:A:PRO:HB3	14	1.02
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	7	1.02
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	7	1.02
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	7	1.02
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	12	1.02
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	12	1.02
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	12	1.02
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	12	1.02
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	1.02
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	1.02
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	1	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	1	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	1	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	2	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	2	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	2	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	3	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	3	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	3	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	4	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	4	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	4	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	5	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	5	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	5	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	6	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	6	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	6	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	7	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	7	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	7	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	8	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	8	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	8	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	9	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	9	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	9	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	10	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	10	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	10	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	11	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	11	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	12	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	12	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	12	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	13	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	13	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	13	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	14	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	14	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	14	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	15	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	15	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	15	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	16	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	16	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	16	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	17	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	17	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	17	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	18	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	18	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	18	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	19	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	19	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	19	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD11	20	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD12	20	1.02
(2,489)	1:62:A:ILE:HG13	1:62:A:ILE:HD13	20	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	1	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	1	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	1	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	7	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	7	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	7	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	12	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	12	1.02
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	12	1.02
(2,451)	1:59:A:ILE:HG12	1:59:A:ILE:HA	7	1.02
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	5	1.02
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	3	1.02
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	3	1.02
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	10	1.02
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	8	1.02
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	10	1.02
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	10	1.02
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	10	1.02
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	16	1.02
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	16	1.02
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	16	1.02
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	4	1.02
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	20	1.02
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	7	1.02
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	11	1.02
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	15	1.02
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	17	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	1	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	3	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	5	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	7	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	8	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	9	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	10	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	11	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	12	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	14	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	15	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	17	1.02
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	19	1.02
(2,278)	1:41:A:MET:HG3	1:112:A:LYS:HB3	4	1.02
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	20	1.02
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	2	1.02
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	12	1.02
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	12	1.02
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	12	1.02
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	12	1.02
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	13	1.02
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	13	1.02
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	13	1.02
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	7	1.02
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	4	1.02
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	11	1.02
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	1	1.02
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	8	1.02
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	8	1.02
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	2	1.02
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	18	1.02
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	18	1.02
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	18	1.02
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	2	1.02
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	7	1.02
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	7	1.02
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	7	1.02
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	2	1.02
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	2	1.02
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	2	1.02
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	20	1.02
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	17	1.02
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	9	1.02
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	9	1.02
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	9	1.02
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	17	1.02
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD21	4	1.02
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD22	4	1.02
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD23	4	1.02
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD11	5	1.02
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD12	5	1.02
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD13	5	1.02
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD11	5	1.02
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD12	5	1.02
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD13	5	1.02
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD11	5	1.02
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD12	5	1.02
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD13	5	1.02
(1,366)	1:67:A:GLY:H	1:68:A:PRO:HD2	2	1.02
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	6	1.01
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	10	1.01
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	11	1.01
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	11	1.01
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	11	1.01
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	2	1.01
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	7	1.01
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	20	1.01
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	9	1.01
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	2	1.01
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	7	1.01
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	8	1.01
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	4	1.01
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	4	1.01
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	4	1.01
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	14	1.01
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	15	1.01
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	11	1.01
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	14	1.01
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	19	1.01
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	19	1.01
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	19	1.01
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	14	1.01
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	1.01
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	10	1.01
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	10	1.01
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	10	1.01
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	16	1.01
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	16	1.01
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	16	1.01
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	13	1.01
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	2	1.01
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	2	1.01
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	5	1.01
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	3	1.01
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	4	1.01
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	4	1.01
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	4	1.01
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	7	1.01
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	9	1.01
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	13	1.01
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	13	1.01
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	13	1.01
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	13	1.01
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	13	1.01
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	13	1.01
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	13	1.01
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	13	1.01
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	13	1.01
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	1	1.01
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	1	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	1	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	2	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	3	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	4	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	5	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	6	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	7	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	8	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	9	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	10	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	11	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	12	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	13	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	14	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	15	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	16	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	17	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	18	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	19	1.01
(2,1258)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	20	1.01
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	5	1.01
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	10	1.01
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	12	1.01
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	18	1.01
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	10	1.01
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	10	1.01
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	10	1.01
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	5	1.01
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	5	1.01
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	5	1.01
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	12	1.01
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	3	1.01
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	4	1.01
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	6	1.01
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	18	1.01
(2,1168)	1:104:A:LYS:H	1:104:A:LYS:HB2	11	1.01
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	13	1.01
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	17	1.01
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	19	1.01
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	2	1.01
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	15	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	1	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	2	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	3	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	4	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	5	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	6	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	7	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	8	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	9	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	10	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	11	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	12	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	13	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	14	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	15	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	16	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	17	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	18	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	19	1.01
(2,1101)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	20	1.01
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	3	1.01
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	2	1.01
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	13	1.01
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	16	1.01
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	18	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	1	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	1	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	1	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	5	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	5	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	5	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	10	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	10	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	10	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	15	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	15	1.01
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	15	1.01
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	11	1.01
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	11	1.01
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	11	1.01
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	19	1.01
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	10	1.01
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	17	1.01
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	4	1.01
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	8	1.01
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	1	1.01
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	9	1.01
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	3	1.01
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	3	1.01
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	3	1.01
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	10	1.01
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	10	1.01
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	10	1.01
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	15	1.01
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	15	1.01
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	15	1.01
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	17	1.01
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	7	1.01
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	7	1.01
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	7	1.01
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	15	1.01
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	15	1.01
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	15	1.01
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	15	1.01
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	15	1.01
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	15	1.01
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	15	1.01
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	15	1.01
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	15	1.01
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	4	1.01
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	9	1.01
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	7	1.01
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	11	1.01
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	3	1.01
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	3	1.01
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	3	1.01
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	3	1.01
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	3	1.01
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	3	1.01
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	3	1.01
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	3	1.01
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	1	1.01
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	1	1.01
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	1	1.01
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	8	1.01
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	1	1.01
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	2	1.01
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	3	1.01
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	3	1.01
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	6	1.01
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	11	1.01
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	9	1.01
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	9	1.01
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	9	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	4	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	7	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	9	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	10	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	15	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	17	1.01
(2,739)	1:75:A:LEU:HA	1:75:A:LEU:HB2	20	1.01
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	8	1.01
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	8	1.01
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	8	1.01
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	11	1.01
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	6	1.01
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	15	1.01
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	20	1.01
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	4	1.01
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	4	1.01
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	4	1.01
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	5	1.01
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	5	1.01
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	5	1.01
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	11	1.01
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	11	1.01
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	11	1.01
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	13	1.01
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	13	1.01
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	13	1.01
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	16	1.01
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	16	1.01
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	16	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	8	1.01
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	8	1.01
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	8	1.01
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	11	1.01
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	19	1.01
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	19	1.01
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	19	1.01
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	19	1.01
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	2	1.01
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	18	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	15	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	15	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	15	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	16	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	16	1.01
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	16	1.01
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	7	1.01
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	14	1.01
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	17	1.01
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	14	1.01
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	14	1.01
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	14	1.01
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	8	1.01
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	8	1.01
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	8	1.01
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	9	1.01
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	9	1.01
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	9	1.01
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	3	1.01
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	8	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	2	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	4	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	6	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	13	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	16	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	18	1.01
(2,321)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	20	1.01
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	18	1.01
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	18	1.01
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	18	1.01
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	18	1.01
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	18	1.01
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	9	1.01
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	2	1.01
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	19	1.01
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	12	1.01
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	14	1.01
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	5	1.01
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	18	1.01
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	19	1.01
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	20	1.01
(2,249)	1:39:A:ARG:HB2	1:39:A:ARG:H	17	1.01
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	10	1.01
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	10	1.01
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	10	1.01
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	9	1.01
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	16	1.01
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	12	1.01
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	15	1.01
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	14	1.01
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	14	1.01
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	14	1.01
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	12	1.01
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	5	1.01
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	13	1.01
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	16	1.01
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	20	1.01
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	20	1.01
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	20	1.01
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG11	14	1.01
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG12	14	1.01
(1,395)	1:70:A:VAL:H	1:70:A:VAL:HG13	14	1.01
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	8	1.01
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	9	1.01
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	18	1.0
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	10	1.0
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	10	1.0
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	1	1.0
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	1	1.0
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	1	1.0
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	4	1.0
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	18	1.0
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	18	1.0
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	18	1.0
(2,2489)	1:77:A:GLU:H	1:28:A:TRP:HZ3	9	1.0
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	11	1.0
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	6	1.0
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	8	1.0
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	13	1.0
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	14	1.0
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	18	1.0
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	12	1.0
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	12	1.0
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	12	1.0
(2,2314)	1:47:A:LEU:HG	1:46:A:ASN:H	3	1.0
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	1	1.0
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	15	1.0
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	17	1.0
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	4	1.0
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	13	1.0
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	17	1.0
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	10	1.0
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	18	1.0
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	2	1.0
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	12	1.0
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	13	1.0
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	17	1.0
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	17	1.0
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	17	1.0
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	7	1.0
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	9	1.0
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	13	1.0
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	19	1.0
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	1	1.0
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	1	1.0
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	1	1.0
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	16	1.0
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	16	1.0
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	16	1.0
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	16	1.0
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	16	1.0
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	16	1.0
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	16	1.0
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	16	1.0
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	11	1.0
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	11	1.0
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	11	1.0
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	15	1.0
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	15	1.0
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	15	1.0
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	19	1.0
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	19	1.0
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	1	1.0
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	3	1.0
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	20	1.0
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	20	1.0
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	20	1.0
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	15	1.0
(2,1334)	1:113:A:ARG:HB3	1:113:A:ARG:H	11	1.0
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	2	1.0
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	2	1.0
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	2	1.0
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	2	1.0
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	2	1.0
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	2	1.0
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	2	1.0
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	2	1.0
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	2	1.0
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	2	1.0
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	2	1.0
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	2	1.0
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	2	1.0
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	2	1.0
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	2	1.0
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	2	1.0
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	2	1.0
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	2	1.0
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	14	1.0
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	14	1.0
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	14	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	3	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	4	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	9	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	13	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	16	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	17	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	19	1.0
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	20	1.0
(2,1183)	1:104:A:LYS:HG2	1:104:A:LYS:HA	15	1.0
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	7	1.0
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	16	1.0
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	10	1.0
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	9	1.0
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	11	1.0
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	15	1.0
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	7	1.0
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	7	1.0
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	7	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	2	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	2	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	2	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	4	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	4	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	4	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	6	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	6	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	6	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	7	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	7	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	7	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	8	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	8	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	8	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	10	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	10	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	10	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	16	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	16	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	16	1.0
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	20	1.0
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	20	1.0
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	20	1.0
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	11	1.0
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	12	1.0
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	14	1.0
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	8	1.0
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	12	1.0
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	15	1.0
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	3	1.0
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	3	1.0
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	3	1.0
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	20	1.0
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	7	1.0
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	6	1.0
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	13	1.0
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	19	1.0
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	5	1.0
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	9	1.0
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	18	1.0
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	13	1.0
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	1	1.0
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	12	1.0
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	13	1.0
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	13	1.0
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	13	1.0
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	14	1.0
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	14	1.0
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	14	1.0
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	20	1.0
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	20	1.0
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	20	1.0
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	5	1.0
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	5	1.0
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	5	1.0
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	2	1.0
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	5	1.0
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	20	1.0
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	3	1.0
(2,810)	1:78:A:ASP:HA	1:78:A:ASP:HB2	5	1.0
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	9	1.0
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	4	1.0
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	4	1.0
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	4	1.0
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	15	1.0
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	15	1.0
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	15	1.0
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	11	1.0
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	11	1.0
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	20	1.0
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	20	1.0
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	20	1.0
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	4	1.0
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	4	1.0
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	4	1.0
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	10	1.0
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	10	1.0
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	10	1.0
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	14	1.0
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	14	1.0
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	14	1.0
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	14	1.0
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	14	1.0
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	14	1.0
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	2	1.0
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	4	1.0
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	8	1.0
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	10	1.0
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	11	1.0
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	15	1.0
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	9	1.0
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	12	1.0
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	15	1.0
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	18	1.0
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	5	1.0
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	5	1.0
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	5	1.0
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	14	1.0
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	16	1.0
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	7	1.0
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	18	1.0
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	18	1.0
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	18	1.0
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	20	1.0
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	20	1.0
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	20	1.0
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	13	1.0
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	8	1.0
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	14	1.0
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	14	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	2	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	2	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	2	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD11	3	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD12	3	1.0
(2,484)	1:62:A:ILE:HB	1:62:A:ILE:HD13	3	1.0
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	17	1.0
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	19	1.0
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	2	1.0
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	4	1.0
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	12	1.0
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	5	1.0
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	13	1.0
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	16	1.0
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	16	1.0
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	16	1.0
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	3	1.0
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	17	1.0
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	17	1.0
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	17	1.0
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	17	1.0
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	6	1.0
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	6	1.0
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	6	1.0
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	14	1.0
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	16	1.0
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	14	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	7	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	7	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	7	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	8	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	8	1.0
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	8	1.0
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	12	1.0
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	5	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	1	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	2	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	3	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	4	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	7	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	8	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	9	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	10	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	11	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	12	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	13	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	14	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	15	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	16	1.0
(2,250)	1:90:A:GLU:HB2	1:90:A:GLU:HB3	17	1.0
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	14	1.0
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	14	1.0
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	14	1.0
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	1	1.0
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	3	1.0
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	8	1.0
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	11	1.0
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	14	1.0
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	11	1.0
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	11	1.0
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	11	1.0
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	13	1.0
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	17	1.0
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	9	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	1	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	1	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	1	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	2	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	2	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	2	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	3	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	3	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	3	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	4	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	4	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	4	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	5	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	5	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	5	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	6	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	6	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	7	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	7	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	7	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	8	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	8	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	8	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	9	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	9	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	9	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	10	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	10	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	10	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	12	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	12	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	12	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	13	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	13	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	13	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	15	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	15	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	15	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	16	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	16	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	16	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	18	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	18	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	18	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	19	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	19	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	19	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	20	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	20	1.0
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	20	1.0
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	20	1.0
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	20	1.0
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	20	1.0
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	7	1.0
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	17	1.0
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	17	1.0
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	17	1.0
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	17	1.0
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	17	1.0
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	17	1.0
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	17	1.0
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	17	1.0
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	3	1.0
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	3	1.0
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	3	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	16	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	16	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	16	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	19	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	19	1.0
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	19	1.0
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	9	1.0
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	9	1.0
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	9	1.0
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	15	1.0
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	7	1.0
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD21	20	1.0
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD22	20	1.0
(1,28)	1:63:A:LEU:HB3	1:98:A:LEU:HD23	20	1.0
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	20	0.99
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	12	0.99
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	14	0.99
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	2	0.99
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	2	0.99
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	2	0.99
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	11	0.99
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	11	0.99
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	11	0.99
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	17	0.99
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	17	0.99
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	17	0.99
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	7	0.99
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	7	0.99
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	7	0.99
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	2	0.99
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	2	0.99
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	2	0.99
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	4	0.99
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	4	0.99
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	17	0.99
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	7	0.99
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	7	0.99
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	7	0.99
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	1	0.99
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	11	0.99
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	1	0.99
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	2	0.99
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	4	0.99
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	9	0.99
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	17	0.99
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	8	0.99
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	5	0.99
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	9	0.99
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	5	0.99
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	4	0.99
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	7	0.99
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	7	0.99
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	15	0.99
(2,1935)	1:57:A:LYS:HG2	1:57:A:LYS:H	16	0.99
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	12	0.99
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	1	0.99
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	16	0.99
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	3	0.99
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	10	0.99
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	10	0.99
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	10	0.99
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	17	0.99
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	5	0.99
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	1	0.99
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	1	0.99
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	1	0.99
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	6	0.99
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	6	0.99
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	6	0.99
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	8	0.99
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	8	0.99
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	8	0.99
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	16	0.99
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	14	0.99
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	16	0.99
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	16	0.99
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	18	0.99
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	10	0.99
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	20	0.99
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	20	0.99
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	12	0.99
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	16	0.99
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	1	0.99
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	1	0.99
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	1	0.99
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	4	0.99
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	10	0.99
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	10	0.99
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	10	0.99
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	1	0.99
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	6	0.99
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	7	0.99
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	11	0.99
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	10	0.99
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	5	0.99
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	5	0.99
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	5	0.99
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	1	0.99
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	1	0.99
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	1	0.99
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	16	0.99
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	6	0.99
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	8	0.99
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	18	0.99
(2,1139)	1:103:A:ARG:HB3	1:103:A:ARG:HG3	10	0.99
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	1	0.99
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	1	0.99
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	1	0.99
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	17	0.99
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	17	0.99
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	17	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	1	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	1	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	1	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	3	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	3	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	5	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	5	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	5	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	9	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	9	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	9	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	11	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	11	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	11	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	12	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	12	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	12	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	13	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	13	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	13	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	14	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	14	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	14	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	15	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	15	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	15	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	17	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	17	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	17	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	18	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	18	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	18	0.99
(2,1111)	1:102:A:ILE:HD11	1:102:A:ILE:HG12	19	0.99
(2,1111)	1:102:A:ILE:HD12	1:102:A:ILE:HG12	19	0.99
(2,1111)	1:102:A:ILE:HD13	1:102:A:ILE:HG12	19	0.99
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	16	0.99
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	19	0.99
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	20	0.99
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	8	0.99
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	8	0.99
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	8	0.99
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	7	0.99
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	20	0.99
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	11	0.99
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	11	0.99
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	4	0.99
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	11	0.99
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	1	0.99
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	7	0.99
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	11	0.99
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	13	0.99
(2,1010)	1:98:A:LEU:HD21	1:63:A:LEU:HB3	18	0.99
(2,1010)	1:98:A:LEU:HD22	1:63:A:LEU:HB3	18	0.99
(2,1010)	1:98:A:LEU:HD23	1:63:A:LEU:HB3	18	0.99
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	15	0.99
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	19	0.99
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	11	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	1	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	2	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	3	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	4	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	5	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	6	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	7	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	8	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	9	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	10	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	11	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	12	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	13	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	14	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	15	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	16	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	17	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	18	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	19	0.99
(2,979)	1:96:A:LYS:HB2	1:96:A:LYS:HB3	20	0.99
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	6	0.99
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	19	0.99
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	19	0.99
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	19	0.99
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	19	0.99
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	19	0.99
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	19	0.99
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	19	0.99
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	19	0.99
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,927)	1:89:A:ILE:HD11	1:89:A:ILE:H	1	0.99
(2,927)	1:89:A:ILE:HD12	1:89:A:ILE:H	1	0.99
(2,927)	1:89:A:ILE:HD13	1:89:A:ILE:H	1	0.99
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	18	0.99
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	18	0.99
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	18	0.99
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	5	0.99
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	16	0.99
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	16	0.99
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	16	0.99
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	5	0.99
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	5	0.99
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	5	0.99
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	11	0.99
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	11	0.99
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	11	0.99
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	18	0.99
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	18	0.99
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	18	0.99
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	5	0.99
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	5	0.99
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	5	0.99
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	5	0.99
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	5	0.99
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	5	0.99
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	5	0.99
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	5	0.99
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	5	0.99
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	19	0.99
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	4	0.99
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	10	0.99
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	3	0.99
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	12	0.99
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	12	0.99
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	12	0.99
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	16	0.99
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	16	0.99
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	16	0.99
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	8	0.99
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	8	0.99
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	8	0.99
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	8	0.99
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	8	0.99
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	8	0.99
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	8	0.99
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	8	0.99
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	13	0.99
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	13	0.99
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	13	0.99
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	16	0.99
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	16	0.99
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	16	0.99
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	11	0.99
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	11	0.99
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	11	0.99
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG11	6	0.99
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG12	6	0.99
(2,722)	1:74:A:VAL:H	1:74:A:VAL:HG13	6	0.99
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	10	0.99
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	10	0.99
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	10	0.99
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	10	0.99
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	10	0.99
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	10	0.99
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	15	0.99
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	15	0.99
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	15	0.99
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	8	0.99
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	8	0.99
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	8	0.99
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	1	0.99
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	1	0.99
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	1	0.99
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	6	0.99
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	6	0.99
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	6	0.99
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	7	0.99
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	7	0.99
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	7	0.99
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	12	0.99
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	12	0.99
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	12	0.99
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	19	0.99
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	19	0.99
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	11	0.99
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	11	0.99
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	11	0.99
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	12	0.99
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	19	0.99
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	7	0.99
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	1	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	8	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	11	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	16	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	17	0.99
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	19	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	2	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	7	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	9	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	11	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	14	0.99
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	15	0.99
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	10	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	1	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	2	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	3	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	4	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	5	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	6	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	7	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	13	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	15	0.99
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.99
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	8	0.99
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	15	0.99
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	3	0.99
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	3	0.99
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	3	0.99
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	10	0.99
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	10	0.99
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	10	0.99
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	7	0.99
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	15	0.99
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	8	0.99
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	8	0.99
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	12	0.99
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	12	0.99
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	12	0.99
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	1	0.99
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	18	0.99
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	13	0.99
(2,277)	1:41:A:MET:HB3	1:41:A:MET:HG3	8	0.99
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	11	0.99
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	16	0.99
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	20	0.99
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	16	0.99
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	19	0.99
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	18	0.99
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	5	0.99
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	6	0.99
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	17	0.99
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	20	0.99
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	2	0.99
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	18	0.99
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	9	0.99
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	16	0.99
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	13	0.99
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	20	0.99
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	2	0.99
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	9	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	11	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	11	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	11	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	14	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	14	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	14	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG21	17	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG22	17	0.99
(2,106)	1:27:A:ILE:HB	1:27:A:ILE:HG23	17	0.99
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	14	0.99
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	14	0.99
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	14	0.99
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	10	0.99
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	5	0.99
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	5	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	1	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	1	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	1	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	3	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	3	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	3	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	4	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	4	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	4	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	5	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	5	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	5	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	6	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	6	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	6	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	7	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	7	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	7	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	8	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	8	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	8	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	9	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	9	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	9	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	10	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	10	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	10	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	11	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	11	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	11	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	12	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	12	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	12	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	13	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	13	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	13	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	14	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	14	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	14	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	15	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	15	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	16	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	16	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	16	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	17	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	17	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	17	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	18	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	18	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	18	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	19	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	19	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	19	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG11	20	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG12	20	0.99
(2,63)	1:25:A:VAL:HB	1:25:A:VAL:HG13	20	0.99
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	10	0.99
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	10	0.99
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	10	0.99
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	5	0.99
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	5	0.99
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	5	0.99
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	12	0.99
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	12	0.99
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	6	0.99
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	5	0.98
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	5	0.98
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	5	0.98
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	3	0.98
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	3	0.98
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	2	0.98
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	20	0.98
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	9	0.98
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	6	0.98
(2,2353)	1:52:A:LEU:HG	1:53:A:GLU:H	20	0.98
(2,2330)	1:25:A:VAL:HB	1:49:A:LEU:H	2	0.98
(2,2330)	1:25:A:VAL:HB	1:49:A:LEU:H	20	0.98
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	5	0.98
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	17	0.98
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	17	0.98
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	17	0.98
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	5	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	5	0.98
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	5	0.98
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	6	0.98
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	12	0.98
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	1	0.98
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	17	0.98
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	10	0.98
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	8	0.98
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	12	0.98
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	13	0.98
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	15	0.98
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	12	0.98
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	18	0.98
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	20	0.98
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	8	0.98
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	11	0.98
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	1	0.98
(2,1527)	1:96:A:LYS:HB3	1:98:A:LEU:HG	17	0.98
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	17	0.98
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	10	0.98
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	10	0.98
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	10	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	1	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	1	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	1	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	17	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	17	0.98
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	17	0.98
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	18	0.98
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	4	0.98
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	4	0.98
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	4	0.98
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	1	0.98
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	2	0.98
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	20	0.98
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	2	0.98
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	2	0.98
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	18	0.98
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	18	0.98
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	18	0.98
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	18	0.98
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	19	0.98
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	19	0.98
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	6	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	1	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	2	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	3	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	4	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	5	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	6	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	7	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	8	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	9	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	10	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	11	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	12	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	13	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	14	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	15	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	16	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	17	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	18	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	19	0.98
(2,1264)	1:108:A:PRO:HG2	1:108:A:PRO:HG3	20	0.98
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	14	0.98
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	2	0.98
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	8	0.98
(2,1225)	1:107:A:SER:H	1:107:A:SER:HA	14	0.98
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	17	0.98
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	15	0.98
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	15	0.98
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	15	0.98
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	2	0.98
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	2	0.98
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	2	0.98
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	19	0.98
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	19	0.98
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	19	0.98
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	5	0.98
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	8	0.98
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	14	0.98
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	5	0.98
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	5	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	5	0.98
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	1	0.98
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	18	0.98
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	6	0.98
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	8	0.98
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	1	0.98
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	6	0.98
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	7	0.98
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	14	0.98
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	6	0.98
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	1	0.98
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	11	0.98
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	3	0.98
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	8	0.98
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	18	0.98
(2,969)	1:43:A:GLU:HG3	1:42:A:ALA:HB1	12	0.98
(2,969)	1:43:A:GLU:HG3	1:42:A:ALA:HB2	12	0.98
(2,969)	1:43:A:GLU:HG3	1:42:A:ALA:HB3	12	0.98
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	7	0.98
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	4	0.98
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	7	0.98
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	6	0.98
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	18	0.98
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	9	0.98
(2,809)	1:78:A:ASP:H	1:78:A:ASP:HB2	15	0.98
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	15	0.98
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	5	0.98
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	4	0.98
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	4	0.98
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	4	0.98
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	4	0.98
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	4	0.98
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	4	0.98
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	4	0.98
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	4	0.98
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	4	0.98
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	2	0.98
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	2	0.98
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	2	0.98
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	2	0.98
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	11	0.98
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	11	0.98
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	2	0.98
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	2	0.98
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	2	0.98
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	1	0.98
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	1	0.98
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	1	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	2	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	2	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	2	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	3	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	3	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	3	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	4	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	4	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	4	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	5	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	5	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	5	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	8	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	8	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	8	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	9	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	9	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	9	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	10	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	10	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	10	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	11	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	11	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	11	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	13	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	13	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	13	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	14	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	14	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	14	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	15	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	15	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	15	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	16	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	16	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	17	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	17	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	17	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	18	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	18	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	18	0.98
(2,676)	1:72:A:ILE:HG21	1:72:A:ILE:HB	20	0.98
(2,676)	1:72:A:ILE:HG22	1:72:A:ILE:HB	20	0.98
(2,676)	1:72:A:ILE:HG23	1:72:A:ILE:HB	20	0.98
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	12	0.98
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	12	0.98
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	12	0.98
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	1	0.98
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	1	0.98
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	1	0.98
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	7	0.98
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	7	0.98
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	7	0.98
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	5	0.98
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	16	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	1	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	2	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	3	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	4	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	5	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	6	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	10	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	13	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	14	0.98
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	20	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	1	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	3	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	4	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	5	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	6	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	8	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	10	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	12	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	13	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	16	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	18	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	19	0.98
(2,639)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	20	0.98
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	7	0.98
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	11	0.98
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	20	0.98
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	20	0.98
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	20	0.98
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	16	0.98
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	16	0.98
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	16	0.98
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	6	0.98
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	6	0.98
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	6	0.98
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	12	0.98
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	12	0.98
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	12	0.98
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	6	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	8	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	9	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	10	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	11	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	12	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	18	0.98
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	19	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	1	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	6	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	12	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	13	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	15	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	18	0.98
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	19	0.98
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	9	0.98
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	9	0.98
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	9	0.98
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	4	0.98
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	4	0.98
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	4	0.98
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	18	0.98
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	18	0.98
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	18	0.98
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	16	0.98
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	18	0.98
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	2	0.98
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	2	0.98
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	2	0.98
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	9	0.98
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	9	0.98
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	9	0.98
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	15	0.98
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	5	0.98
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	19	0.98
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	4	0.98
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	4	0.98
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	4	0.98
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	18	0.98
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	18	0.98
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	18	0.98
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	20	0.98
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	8	0.98
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	4	0.98
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	3	0.98
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	4	0.98
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	17	0.98
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	7	0.98
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	15	0.98
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	15	0.98
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	15	0.98
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	5	0.98
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	5	0.98
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	5	0.98
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	20	0.98
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	18	0.98
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	20	0.98
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	9	0.98
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	9	0.98
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	9	0.98
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	9	0.98
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	9	0.98
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	9	0.98
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	9	0.98
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	9	0.98
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	11	0.98
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	11	0.98
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	19	0.98
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	11	0.98
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	11	0.98
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	11	0.98
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	20	0.98
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	20	0.98
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	20	0.98
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	20	0.98
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	20	0.98
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	20	0.98
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	4	0.98
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	4	0.98
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	4	0.98
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	4	0.98
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	4	0.98
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	4	0.98
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	4	0.98
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	4	0.98
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	4	0.98
(1,1755)	1:57:A:LYS:H	1:57:A:LYS:HD2	19	0.98
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	16	0.98
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD11	11	0.98
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD12	11	0.98
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD13	11	0.98
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD11	11	0.98
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD12	11	0.98
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD13	11	0.98
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD11	11	0.98
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD12	11	0.98
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD13	11	0.98
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD11	13	0.98
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD12	13	0.98
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD13	13	0.98
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD11	13	0.98
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD12	13	0.98
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD13	13	0.98
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD11	13	0.98
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD12	13	0.98
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD13	13	0.98
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	2	0.97
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	2	0.97
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	20	0.97
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	4	0.97
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	4	0.97
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	4	0.97
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	10	0.97
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	10	0.97
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	10	0.97
(2,2795)	1:117:A:GLU:HB2	1:116:A:LYS:H	5	0.97
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	14	0.97
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	14	0.97
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	14	0.97
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	13	0.97
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	13	0.97
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	19	0.97
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	19	0.97
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	19	0.97
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	7	0.97
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	7	0.97
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	7	0.97
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	8	0.97
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	15	0.97
(2,2416)	1:70:A:VAL:HG11	1:72:A:ILE:H	15	0.97
(2,2416)	1:70:A:VAL:HG12	1:72:A:ILE:H	15	0.97
(2,2416)	1:70:A:VAL:HG13	1:72:A:ILE:H	15	0.97
(2,2387)	1:67:A:GLY:H	1:68:A:PRO:HD2	2	0.97
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	1	0.97
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	16	0.97
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	6	0.97
(2,1936)	1:57:A:LYS:HG3	1:57:A:LYS:H	17	0.97
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	16	0.97
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	11	0.97
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	4	0.97
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	18	0.97
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	3	0.97
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	6	0.97
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	7	0.97
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	6	0.97
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	9	0.97
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	15	0.97
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	20	0.97
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	12	0.97
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	12	0.97
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	12	0.97
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	9	0.97
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	17	0.97
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	17	0.97
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	1	0.97
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	1	0.97
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	1	0.97
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	2	0.97
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	12	0.97
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	5	0.97
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	14	0.97
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	9	0.97
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	9	0.97
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	9	0.97
(2,1282)	1:110:A:GLU:HB3	1:107:A:SER:H	18	0.97
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	13	0.97
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	18	0.97
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	18	0.97
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	18	0.97
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	2	0.97
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	2	0.97
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	2	0.97
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	5	0.97
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	5	0.97
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	5	0.97
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	6	0.97
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	6	0.97
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	6	0.97
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	14	0.97
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	14	0.97
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	14	0.97
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	10	0.97
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	10	0.97
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	10	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	2	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	2	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	2	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	3	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	3	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	4	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	4	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	4	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	6	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	6	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	6	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	7	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	7	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	7	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	8	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	8	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	8	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	9	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	9	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	9	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	10	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	10	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	10	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	11	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	11	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	11	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	12	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	12	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	12	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	13	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	13	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	13	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	14	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	14	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	14	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	15	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	15	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	15	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	16	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	16	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	16	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	17	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	17	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	17	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	18	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	18	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	19	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	19	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	19	0.97
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	20	0.97
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	20	0.97
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	20	0.97
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	3	0.97
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	5	0.97
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	15	0.97
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	19	0.97
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	4	0.97
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	6	0.97
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	6	0.97
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	6	0.97
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	7	0.97
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	17	0.97
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	14	0.97
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	5	0.97
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	16	0.97
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	15	0.97
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	9	0.97
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	17	0.97
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	10	0.97
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	17	0.97
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	19	0.97
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	1	0.97
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	1	0.97
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	1	0.97
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	16	0.97
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	16	0.97
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	16	0.97
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	10	0.97
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	3	0.97
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	3	0.97
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	3	0.97
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	13	0.97
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	13	0.97
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	13	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	3	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	3	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	3	0.97
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	3	0.97
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	3	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	3	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	3	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	3	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	10	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	10	0.97
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	10	0.97
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	10	0.97
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	10	0.97
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	10	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	10	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	10	0.97
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	10	0.97
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	7	0.97
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	7	0.97
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	7	0.97
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	10	0.97
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	13	0.97
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	20	0.97
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	6	0.97
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	19	0.97
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	8	0.97
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	8	0.97
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	8	0.97
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	1	0.97
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	1	0.97
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	1	0.97
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	3	0.97
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	3	0.97
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	3	0.97
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	1	0.97
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	1	0.97
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	1	0.97
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	6	0.97
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	6	0.97
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	6	0.97
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	14	0.97
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	14	0.97
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	14	0.97
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	16	0.97
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	16	0.97
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	16	0.97
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	1	0.97
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	1	0.97
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	1	0.97
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	2	0.97
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	2	0.97
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	2	0.97
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	3	0.97
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	3	0.97
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	3	0.97
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	19	0.97
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	19	0.97
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	19	0.97
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	3	0.97
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	3	0.97
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	3	0.97
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	17	0.97
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	5	0.97
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	5	0.97
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	5	0.97
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	14	0.97
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	14	0.97
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	14	0.97
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	20	0.97
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	3	0.97
(2,645)	1:72:A:ILE:H	1:72:A:ILE:HA	7	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	1	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	2	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	3	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	4	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	5	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	6	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	8	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	9	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	10	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	11	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	12	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	13	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	14	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	16	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	17	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	18	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	19	0.97
(2,632)	1:71:A:LYS:HB2	1:71:A:LYS:HB3	20	0.97
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	12	0.97
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	1	0.97
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	6	0.97
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	8	0.97
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	1	0.97
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	1	0.97
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	1	0.97
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	7	0.97
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	7	0.97
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	7	0.97
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	10	0.97
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	10	0.97
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	10	0.97
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	19	0.97
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	19	0.97
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	19	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	1	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	1	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	1	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	2	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	2	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	2	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	3	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	3	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	3	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	4	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	4	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	4	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	5	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	5	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	5	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	6	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	6	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	6	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	7	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	7	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	8	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	8	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	8	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	9	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	9	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	9	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	10	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	10	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	10	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	11	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	11	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	11	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	12	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	12	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	12	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	13	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	13	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	13	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	14	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	14	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	14	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	15	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	15	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	15	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	16	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	16	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	16	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	17	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	17	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	17	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	18	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	18	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	18	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	19	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	19	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	19	0.97
(2,606)	1:70:A:VAL:HG21	1:70:A:VAL:HB	20	0.97
(2,606)	1:70:A:VAL:HG22	1:70:A:VAL:HB	20	0.97
(2,606)	1:70:A:VAL:HG23	1:70:A:VAL:HB	20	0.97
(2,594)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	17	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	2	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	4	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	5	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	7	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	8	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	9	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	10	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	11	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	14	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	16	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	17	0.97
(2,564)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	20	0.97
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	12	0.97
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	12	0.97
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	12	0.97
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	6	0.97
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	6	0.97
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	6	0.97
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	11	0.97
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	20	0.97
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	4	0.97
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	5	0.97
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	5	0.97
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	5	0.97
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	1	0.97
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	8	0.97
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	6	0.97
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	12	0.97
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	10	0.97
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	11	0.97
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	11	0.97
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	11	0.97
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	10	0.97
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	10	0.97
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	1	0.97
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	1	0.97
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	1	0.97
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	11	0.97
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	3	0.97
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	20	0.97
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	2	0.97
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	2	0.97
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	16	0.97
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	16	0.97
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	16	0.97
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	20	0.97
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	2	0.97
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	20	0.97
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	20	0.97
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	20	0.97
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	19	0.97
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	12	0.97
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	12	0.97
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	12	0.97
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	7	0.97
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	7	0.97
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	7	0.97
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	1	0.97
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	16	0.97
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	12	0.97
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	14	0.97
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.97
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.97
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.97
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	4	0.97
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	4	0.97
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	4	0.97
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	19	0.97
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	5	0.97
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	20	0.97
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	20	0.97
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	20	0.97
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	9	0.97
(1,297)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	7	0.97
(1,297)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	7	0.97
(1,297)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	7	0.97
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	18	0.96
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	18	0.96
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	18	0.96
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	3	0.96
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	5	0.96
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	5	0.96
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	5	0.96
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	6	0.96
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	6	0.96
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	20	0.96
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	20	0.96
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	20	0.96
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	13	0.96
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	13	0.96
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	13	0.96
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	6	0.96
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	6	0.96
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	6	0.96
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	10	0.96
(2,2703)	1:108:A:PRO:HG2	1:109:A:ASP:H	7	0.96
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	19	0.96
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	19	0.96
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	19	0.96
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	13	0.96
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	13	0.96
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	13	0.96
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	1	0.96
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	1	0.96
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	1	0.96
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	1	0.96
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	16	0.96
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	17	0.96
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	12	0.96
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	16	0.96
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	17	0.96
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	14	0.96
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	12	0.96
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	5	0.96
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	5	0.96
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	5	0.96
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	10	0.96
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	9	0.96
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	9	0.96
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	6	0.96
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	6	0.96
(2,1936)	1:57:A:LYS:HG3	1:57:A:LYS:H	1	0.96
(2,1936)	1:57:A:LYS:HG3	1:57:A:LYS:H	10	0.96
(2,1845)	1:85:A:VAL:HG11	1:85:A:VAL:H	14	0.96
(2,1845)	1:85:A:VAL:HG12	1:85:A:VAL:H	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1845)	1:85:A:VAL:HG13	1:85:A:VAL:H	14	0.96
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	4	0.96
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	17	0.96
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	19	0.96
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	16	0.96
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	10	0.96
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	19	0.96
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	18	0.96
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	2	0.96
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	20	0.96
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	5	0.96
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	5	0.96
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	5	0.96
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	16	0.96
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	14	0.96
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	14	0.96
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	14	0.96
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	17	0.96
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	7	0.96
(2,1399)	1:117:A:GLU:H	1:117:A:GLU:HB2	16	0.96
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	14	0.96
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	19	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	3	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	4	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	6	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	7	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	8	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	9	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	10	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	11	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	12	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	15	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	16	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	18	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	19	0.96
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	20	0.96
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	10	0.96
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	7	0.96
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	7	0.96
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	7	0.96
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	17	0.96
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	17	0.96
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	14	0.96
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	16	0.96
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	16	0.96
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	16	0.96
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	3	0.96
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	3	0.96
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	3	0.96
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	15	0.96
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	15	0.96
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	15	0.96
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	12	0.96
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	12	0.96
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	12	0.96
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	1	0.96
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	1	0.96
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	1	0.96
(2,1199)	1:105:A:VAL:HG21	1:105:A:VAL:HB	5	0.96
(2,1199)	1:105:A:VAL:HG22	1:105:A:VAL:HB	5	0.96
(2,1199)	1:105:A:VAL:HG23	1:105:A:VAL:HB	5	0.96
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	14	0.96
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	2	0.96
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	8	0.96
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	12	0.96
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	20	0.96
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	4	0.96
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	13	0.96
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	13	0.96
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	13	0.96
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	10	0.96
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	10	0.96
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	10	0.96
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	15	0.96
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	15	0.96
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	15	0.96
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	4	0.96
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	8	0.96
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	8	0.96
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	8	0.96
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	17	0.96
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	8	0.96
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	8	0.96
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	5	0.96
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	12	0.96
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	19	0.96
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	3	0.96
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	15	0.96
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	7	0.96
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	11	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	1	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	4	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	5	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	7	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	8	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	10	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	14	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	16	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	17	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	18	0.96
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	20	0.96
(2,1010)	1:98:A:LEU:HD21	1:63:A:LEU:HB3	20	0.96
(2,1010)	1:98:A:LEU:HD22	1:63:A:LEU:HB3	20	0.96
(2,1010)	1:98:A:LEU:HD23	1:63:A:LEU:HB3	20	0.96
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	19	0.96
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	19	0.96
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	19	0.96
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	1	0.96
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	2	0.96
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	2	0.96
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	2	0.96
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	1	0.96
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	14	0.96
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	15	0.96
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	15	0.96
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	15	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	2	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	2	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	2	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	4	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	4	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	4	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	7	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	7	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	16	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	16	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	16	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	19	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	19	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	19	0.96
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	20	0.96
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	20	0.96
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	20	0.96
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	6	0.96
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	6	0.96
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	6	0.96
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	6	0.96
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	12	0.96
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	2	0.96
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	2	0.96
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	2	0.96
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	5	0.96
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	5	0.96
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	5	0.96
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	3	0.96
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	10	0.96
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	17	0.96
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	5	0.96
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	4	0.96
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	4	0.96
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	4	0.96
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.96
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.96
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.96
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	16	0.96
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	6	0.96
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	9	0.96
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	9	0.96
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	9	0.96
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	5	0.96
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	14	0.96
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	14	0.96
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	14	0.96
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	10	0.96
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	10	0.96
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	14	0.96
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	14	0.96
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	14	0.96
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	9	0.96
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	9	0.96
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	9	0.96
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	15	0.96
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	15	0.96
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	15	0.96
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	2	0.96
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	2	0.96
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	2	0.96
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	16	0.96
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	16	0.96
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	16	0.96
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	18	0.96
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	18	0.96
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	18	0.96
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	13	0.96
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	7	0.96
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	5	0.96
(2,629)	1:71:A:LYS:HB3	1:71:A:LYS:HA	19	0.96
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	11	0.96
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	11	0.96
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	11	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	3	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	3	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	3	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	5	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	5	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	5	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	6	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	6	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	6	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	7	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	7	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	7	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	11	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	11	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	11	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	13	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	13	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	14	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	14	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	14	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	15	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	15	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	15	0.96
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	19	0.96
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	19	0.96
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	19	0.96
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	16	0.96
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	16	0.96
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	16	0.96
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	19	0.96
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	19	0.96
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	19	0.96
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	18	0.96
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	18	0.96
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	18	0.96
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	7	0.96
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	7	0.96
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	1	0.96
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	16	0.96
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	17	0.96
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	14	0.96
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	14	0.96
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	6	0.96
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	1	0.96
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	1	0.96
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	1	0.96
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	4	0.96
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	4	0.96
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	4	0.96
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	11	0.96
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	14	0.96
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	20	0.96
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	20	0.96
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	20	0.96
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	20	0.96
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	16	0.96
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	16	0.96
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	20	0.96
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	5	0.96
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	5	0.96
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	5	0.96
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	3	0.96
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	10	0.96
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	3	0.96
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	16	0.96
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	3	0.96
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	3	0.96
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	3	0.96
(2,303)	1:41:A:MET:HB2	1:44:A:LYS:H	12	0.96
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	6	0.96
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	12	0.96
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	2	0.96
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	4	0.96
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	14	0.96
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	16	0.96
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	6	0.96
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	19	0.96
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	1	0.96
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	10	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	10	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	10	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	10	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	18	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	18	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	18	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	19	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	19	0.96
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	19	0.96
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	18	0.96
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	13	0.96
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	17	0.96
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	13	0.96
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	4	0.96
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	4	0.96
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	4	0.96
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	3	0.96
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	3	0.96
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	14	0.96
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	14	0.96
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	14	0.96
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	18	0.96
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	16	0.96
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	16	0.96
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	16	0.96
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	15	0.96
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	15	0.96
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	15	0.96
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	2	0.96
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	11	0.96
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	15	0.96
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	8	0.96
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	8	0.96
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	8	0.96
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	3	0.96
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	3	0.96
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	3	0.96
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	1	0.96
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	2	0.96
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	7	0.96
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	14	0.96
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	18	0.96
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	8	0.96
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	9	0.96
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	9	0.96
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	9	0.96
(1,695)	1:101:A:ARG:HB2	1:73:A:LEU:HA	10	0.96
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	8	0.96
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	8	0.96
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	8	0.96
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD21	16	0.96
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD22	16	0.96
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD23	16	0.96
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	2	0.96
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	12	0.96
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	16	0.95
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	16	0.95
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	16	0.95
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	17	0.95
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	20	0.95
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	20	0.95
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	11	0.95
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	12	0.95
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	12	0.95
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	12	0.95
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	4	0.95
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	4	0.95
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	4	0.95
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	16	0.95
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	16	0.95
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	16	0.95
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	20	0.95
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	20	0.95
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	20	0.95
(2,2488)	1:85:A:VAL:HG21	1:28:A:TRP:HE1	9	0.95
(2,2488)	1:85:A:VAL:HG22	1:28:A:TRP:HE1	9	0.95
(2,2488)	1:85:A:VAL:HG23	1:28:A:TRP:HE1	9	0.95
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	15	0.95
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	11	0.95
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	7	0.95
(2,2314)	1:47:A:LEU:HG	1:46:A:ASN:H	9	0.95
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	15	0.95
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	2	0.95
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	6	0.95
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	12	0.95
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	16	0.95
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	17	0.95
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	12	0.95
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	10	0.95
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	4	0.95
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	9	0.95
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	6	0.95
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	12	0.95
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	14	0.95
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	10	0.95
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	5	0.95
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	8	0.95
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	9	0.95
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	13	0.95
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	18	0.95
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	13	0.95
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	6	0.95
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	3	0.95
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	3	0.95
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	3	0.95
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	10	0.95
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	1	0.95
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	1	0.95
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	1	0.95
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	1	0.95
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	1	0.95
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	1	0.95
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	1	0.95
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	1	0.95
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	1	0.95
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	8	0.95
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	10	0.95
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	1	0.95
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	1	0.95
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	1	0.95
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	18	0.95
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	18	0.95
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	18	0.95
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	3	0.95
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	3	0.95
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	2	0.95
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	18	0.95
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	18	0.95
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	18	0.95
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	18	0.95
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	18	0.95
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	18	0.95
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	18	0.95
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	18	0.95
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	18	0.95
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	3	0.95
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	3	0.95
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	3	0.95
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	3	0.95
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	3	0.95
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	3	0.95
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	3	0.95
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	3	0.95
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	1	0.95
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	5	0.95
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	13	0.95
(2,1374)	1:115:A:ILE:HG13	1:115:A:ILE:HB	17	0.95
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	17	0.95
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	11	0.95
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	13	0.95
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	15	0.95
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	10	0.95
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	10	0.95
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	10	0.95
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	20	0.95
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	20	0.95
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	20	0.95
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	7	0.95
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	7	0.95
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	7	0.95
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	12	0.95
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	12	0.95
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	12	0.95
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	11	0.95
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	11	0.95
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	11	0.95
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	17	0.95
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	17	0.95
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	17	0.95
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	2	0.95
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	2	0.95
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	2	0.95
(2,1180)	1:31:A:ASP:HB3	1:31:A:ASP:H	10	0.95
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	5	0.95
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	20	0.95
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	6	0.95
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	13	0.95
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	13	0.95
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	13	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	6	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	6	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	6	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	12	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	12	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	14	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	14	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	14	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	16	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	16	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	16	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	20	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	20	0.95
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	20	0.95
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	10	0.95
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	2	0.95
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	18	0.95
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	18	0.95
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	18	0.95
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	16	0.95
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	20	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	2	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	3	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	6	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	9	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	11	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	12	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	13	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	15	0.95
(2,1024)	1:99:A:PRO:HB2	1:99:A:PRO:HB3	19	0.95
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	7	0.95
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	7	0.95
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	7	0.95
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	4	0.95
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	4	0.95
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	4	0.95
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	8	0.95
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	8	0.95
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	8	0.95
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	9	0.95
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	9	0.95
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	9	0.95
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	5	0.95
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	9	0.95
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	9	0.95
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	9	0.95
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	9	0.95
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	9	0.95
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	10	0.95
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	10	0.95
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	10	0.95
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	17	0.95
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	17	0.95
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	17	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	3	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	3	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	3	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	8	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	8	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	8	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	9	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	9	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	9	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	10	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	10	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	10	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	11	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	11	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	11	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	17	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	17	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	17	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	19	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	19	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	19	0.95
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	20	0.95
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	20	0.95
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	20	0.95
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	2	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	2	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	2	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	2	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	3	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	3	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	3	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	5	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	5	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	6	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	6	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	6	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	7	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	7	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	7	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	12	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	12	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	12	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	13	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	13	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	13	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	14	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	14	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	14	0.95
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	20	0.95
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	20	0.95
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	20	0.95
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	6	0.95
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	6	0.95
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	6	0.95
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	18	0.95
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	18	0.95
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	18	0.95
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	14	0.95
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	5	0.95
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	5	0.95
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	5	0.95
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	10	0.95
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	13	0.95
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	4	0.95
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	4	0.95
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	4	0.95
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	9	0.95
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	9	0.95
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	9	0.95
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	15	0.95
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	15	0.95
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	15	0.95
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	20	0.95
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	20	0.95
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	16	0.95
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	8	0.95
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	4	0.95
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	4	0.95
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	4	0.95
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	5	0.95
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	5	0.95
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	5	0.95
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	18	0.95
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	18	0.95
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	18	0.95
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	5	0.95
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	8	0.95
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	17	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	1	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	1	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	1	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	2	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	2	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	2	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	4	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	4	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	4	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	8	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	8	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	8	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	9	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	9	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	9	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	10	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	10	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	10	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	16	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	16	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	16	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	17	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	17	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	17	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	18	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	18	0.95
(2,547)	1:66:A:LEU:HD11	1:66:A:LEU:HG	20	0.95
(2,547)	1:66:A:LEU:HD12	1:66:A:LEU:HG	20	0.95
(2,547)	1:66:A:LEU:HD13	1:66:A:LEU:HG	20	0.95
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	16	0.95
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	4	0.95
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	11	0.95
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	19	0.95
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	4	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	5	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	5	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	5	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	15	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	15	0.95
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	15	0.95
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	9	0.95
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	19	0.95
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	19	0.95
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	19	0.95
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	4	0.95
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	19	0.95
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	10	0.95
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	12	0.95
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	2	0.95
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	10	0.95
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	9	0.95
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	16	0.95
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	10	0.95
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	7	0.95
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	3	0.95
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	7	0.95
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	8	0.95
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	9	0.95
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	12	0.95
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	2	0.95
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	4	0.95
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	15	0.95
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	17	0.95
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	9	0.95
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	11	0.95
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	13	0.95
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	10	0.95
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	6	0.95
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	6	0.95
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	6	0.95
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	11	0.95
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	11	0.95
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	11	0.95
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	17	0.95
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	17	0.95
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	17	0.95
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	2	0.95
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	6	0.95
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	7	0.95
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	19	0.95
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	19	0.95
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	16	0.95
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	16	0.95
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	16	0.95
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	16	0.95
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	9	0.95
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	3	0.95
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	7	0.95
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	4	0.95
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	4	0.95
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	4	0.95
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	2	0.95
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	16	0.95
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	2	0.95
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	2	0.95
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	2	0.95
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	4	0.95
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	4	0.95
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	4	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	3	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	6	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	7	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	8	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	12	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	13	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	15	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	17	0.95
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	19	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	4	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	4	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	4	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	6	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	6	0.95
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	6	0.95
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	8	0.95
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	0.95
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	0.95
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	1	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	2	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	3	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	4	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	5	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	6	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	7	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	8	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	9	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	10	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	11	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	12	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	13	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	14	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	15	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	16	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	17	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	18	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	19	0.95
(2,5)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	20	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	3	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	4	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	5	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	6	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	8	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	9	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	10	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	11	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	12	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	13	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	16	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	17	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	19	0.95
(2,1)	1:22:A:GLY:HA2	1:22:A:GLY:HA3	20	0.95
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	1	0.95
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	1	0.95
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	1	0.95
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	1	0.95
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	15	0.95
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	11	0.95
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	4	0.94
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	4	0.94
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	4	0.94
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	17	0.94
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	17	0.94
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	17	0.94
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	20	0.94
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	20	0.94
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	20	0.94
(2,2795)	1:117:A:GLU:HB2	1:116:A:LYS:H	7	0.94
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	15	0.94
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	15	0.94
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	15	0.94
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	10	0.94
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	10	0.94
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	10	0.94
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	6	0.94
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	7	0.94
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	7	0.94
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	7	0.94
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	5	0.94
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	5	0.94
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	5	0.94
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	9	0.94
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	9	0.94
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	9	0.94
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	14	0.94
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	14	0.94
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	14	0.94
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	19	0.94
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	8	0.94
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	8	0.94
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	5	0.94
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	5	0.94
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	5	0.94
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	5	0.94
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	2	0.94
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	11	0.94
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	11	0.94
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	11	0.94
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	15	0.94
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	15	0.94
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	15	0.94
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	1	0.94
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	13	0.94
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	18	0.94
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	2	0.94
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	14	0.94
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	18	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	11	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	11	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	11	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	13	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	13	0.94
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	13	0.94
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	10	0.94
(2,1976)	1:39:A:ARG:HG2	1:39:A:ARG:H	7	0.94
(2,1976)	1:39:A:ARG:HG2	1:39:A:ARG:H	20	0.94
(2,1866)	1:101:A:ARG:H	1:101:A:ARG:HG2	10	0.94
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	5	0.94
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	4	0.94
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	15	0.94
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	1	0.94
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	12	0.94
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	14	0.94
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	14	0.94
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	14	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	11	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	11	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	11	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	15	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	15	0.94
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	14	0.94
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	5	0.94
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	5	0.94
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	5	0.94
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	9	0.94
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	9	0.94
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	9	0.94
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	6	0.94
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	15	0.94
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	5	0.94
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	5	0.94
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	5	0.94
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	5	0.94
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	5	0.94
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	5	0.94
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	5	0.94
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	5	0.94
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	5	0.94
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	2	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	2	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	2	0.94
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	11	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	11	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	11	0.94
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	13	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	13	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	13	0.94
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	16	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	16	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	16	0.94
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	18	0.94
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	18	0.94
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	18	0.94
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	5	0.94
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	7	0.94
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	7	0.94
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	7	0.94
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	16	0.94
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	16	0.94
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	16	0.94
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	15	0.94
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	13	0.94
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	13	0.94
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	13	0.94
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	13	0.94
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	13	0.94
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	18	0.94
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	15	0.94
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	16	0.94
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	17	0.94
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	14	0.94
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	5	0.94
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	10	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	1	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	1	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	1	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	2	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	2	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	2	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	3	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	3	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	3	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	4	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	4	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	4	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	5	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	5	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	5	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	7	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	7	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	7	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	9	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	9	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	9	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	10	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	10	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	10	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	11	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	11	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	11	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	13	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	13	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	15	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	15	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	15	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	17	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	17	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	17	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	18	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	18	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	18	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG11	19	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG12	19	0.94
(2,1069)	1:74:A:VAL:HB	1:74:A:VAL:HG13	19	0.94
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	3	0.94
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	10	0.94
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	2	0.94
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	3	0.94
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	15	0.94
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	13	0.94
(2,1014)	1:98:A:LEU:H	1:98:A:LEU:HG	20	0.94
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	14	0.94
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	14	0.94
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	14	0.94
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	16	0.94
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	16	0.94
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	16	0.94
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	18	0.94
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	18	0.94
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	18	0.94
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	20	0.94
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	20	0.94
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	20	0.94
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	5	0.94
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	5	0.94
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	5	0.94
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	12	0.94
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	1	0.94
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	2	0.94
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	9	0.94
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	10	0.94
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	17	0.94
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	8	0.94
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	8	0.94
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	9	0.94
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	9	0.94
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	9	0.94
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	9	0.94
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	9	0.94
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	9	0.94
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	9	0.94
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	9	0.94
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	9	0.94
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	1	0.94
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	1	0.94
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	1	0.94
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	2	0.94
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	2	0.94
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	2	0.94
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	16	0.94
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	16	0.94
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	16	0.94
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	15	0.94
(2,867)	1:86:A:LYS:H	1:85:A:VAL:HB	16	0.94
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	5	0.94
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	5	0.94
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	5	0.94
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	6	0.94
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	10	0.94
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	11	0.94
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	11	0.94
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	11	0.94
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	9	0.94
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	9	0.94
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	9	0.94
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	8	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	1	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	1	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	1	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	4	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	4	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	4	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	8	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	8	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	9	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	9	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	9	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	10	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	10	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	10	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	11	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	11	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	11	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	15	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	15	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	15	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	16	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	16	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	16	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	17	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	17	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	17	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	18	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	18	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	18	0.94
(2,754)	1:75:A:LEU:HD21	1:75:A:LEU:HG	19	0.94
(2,754)	1:75:A:LEU:HD22	1:75:A:LEU:HG	19	0.94
(2,754)	1:75:A:LEU:HD23	1:75:A:LEU:HG	19	0.94
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	11	0.94
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	7	0.94
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	7	0.94
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	7	0.94
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	1	0.94
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	1	0.94
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	1	0.94
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	14	0.94
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	14	0.94
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	14	0.94
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	18	0.94
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	18	0.94
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	18	0.94
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	2	0.94
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	2	0.94
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	2	0.94
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	3	0.94
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	3	0.94
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	5	0.94
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	3	0.94
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	3	0.94
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	3	0.94
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	17	0.94
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	17	0.94
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	17	0.94
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	17	0.94
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	17	0.94
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	17	0.94
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	17	0.94
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	17	0.94
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	17	0.94
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	1	0.94
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	7	0.94
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	9	0.94
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	10	0.94
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	11	0.94
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	19	0.94
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	10	0.94
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	10	0.94
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	10	0.94
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	17	0.94
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	17	0.94
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	17	0.94
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	6	0.94
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	10	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	9	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	9	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	9	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	14	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	14	0.94
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	14	0.94
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	5	0.94
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	5	0.94
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	5	0.94
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	13	0.94
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	13	0.94
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	13	0.94
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	7	0.94
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	8	0.94
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	8	0.94
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	8	0.94
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	17	0.94
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	17	0.94
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	17	0.94
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	2	0.94
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	7	0.94
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	16	0.94
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	16	0.94
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	16	0.94
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	16	0.94
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	5	0.94
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	12	0.94
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	13	0.94
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	13	0.94
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	13	0.94
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	13	0.94
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	13	0.94
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	13	0.94
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	13	0.94
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	13	0.94
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	13	0.94
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	18	0.94
(2,330)	1:48:A:TYR:HA	1:48:A:TYR:HB3	1	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	1	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	2	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	3	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	4	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	5	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	6	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	10	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	11	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	13	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	14	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	15	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	16	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	17	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	18	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	19	0.94
(2,323)	1:47:A:LEU:HB2	1:47:A:LEU:HB3	20	0.94
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	12	0.94
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	12	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	4	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	4	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	4	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	6	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	6	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	6	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	14	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	14	0.94
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	14	0.94
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	10	0.94
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	20	0.94
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	15	0.94
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	7	0.94
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	11	0.94
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	4	0.94
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	4	0.94
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	4	0.94
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	12	0.94
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	10	0.94
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	2	0.94
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	12	0.94
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	2	0.94
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	11	0.94
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	1	0.94
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	12	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	12	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	12	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	12	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	14	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	14	0.94
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	14	0.94
(2,133)	1:107:A:SER:HB2	1:106:A:THR:HA	14	0.94
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	6	0.94
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	6	0.94
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	6	0.94
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	6	0.94
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	6	0.94
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	6	0.94
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	6	0.94
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	6	0.94
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	7	0.94
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	7	0.94
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	7	0.94
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	12	0.94
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	20	0.94
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	16	0.94
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	16	0.94
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	16	0.94
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	18	0.94
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	16	0.94
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	20	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	1	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	1	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	1	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	2	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	2	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	2	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	3	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	3	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	3	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	5	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	5	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	5	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	6	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	6	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	6	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	7	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	7	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	7	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	9	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	9	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	9	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	10	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	10	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	10	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	11	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	11	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	11	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	12	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	12	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	13	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	13	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	13	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	14	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	14	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	14	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	16	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	16	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	16	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	18	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	18	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	18	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	20	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	20	0.94
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	20	0.94
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	1	0.94
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	1	0.94
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	1	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	1	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	2	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	4	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	5	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	9	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	10	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	11	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	14	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	16	0.94
(2,45)	1:24:A:LEU:HB2	1:24:A:LEU:HB3	20	0.94
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	10	0.94
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	10	0.94
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	10	0.94
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	10	0.94
(1,1187)	1:91:A:LYS:H	1:91:A:LYS:HD2	11	0.94
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	18	0.94
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	5	0.94
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	1	0.94
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	5	0.94
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	15	0.94
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	12	0.93
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	12	0.93
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	12	0.93
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	15	0.93
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	15	0.93
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	6	0.93
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	14	0.93
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	20	0.93
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	16	0.93
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	13	0.93
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	13	0.93
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	13	0.93
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	5	0.93
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	5	0.93
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	5	0.93
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	8	0.93
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	8	0.93
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	8	0.93
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	12	0.93
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	12	0.93
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	12	0.93
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	8	0.93
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	8	0.93
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	8	0.93
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	12	0.93
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	12	0.93
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	12	0.93
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	18	0.93
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	18	0.93
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	18	0.93
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	18	0.93
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	15	0.93
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	15	0.93
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	15	0.93
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	15	0.93
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	1	0.93
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	6	0.93
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	11	0.93
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	17	0.93
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	1	0.93
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	9	0.93
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	9	0.93
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	9	0.93
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	14	0.93
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	14	0.93
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	6	0.93
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	11	0.93
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	6	0.93
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	12	0.93
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	19	0.93
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	11	0.93
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	7	0.93
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	7	0.93
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	7	0.93
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	17	0.93
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	20	0.93
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	20	0.93
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	20	0.93
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	14	0.93
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	18	0.93
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	3	0.93
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	3	0.93
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	3	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	3	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	3	0.93
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	3	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	3	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	3	0.93
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	3	0.93
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	11	0.93
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	1	0.93
(2,1521)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	5	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	18	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	18	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	18	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	20	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	20	0.93
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	20	0.93
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	20	0.93
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	6	0.93
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	17	0.93
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	17	0.93
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	17	0.93
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	11	0.93
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	11	0.93
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	13	0.93
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	15	0.93
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	6	0.93
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	7	0.93
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	2	0.93
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	13	0.93
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	2	0.93
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	19	0.93
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	19	0.93
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	19	0.93
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	18	0.93
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	4	0.93
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	2	0.93
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	7	0.93
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	7	0.93
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	7	0.93
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	4	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	1	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	3	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	6	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	7	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	13	0.93
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	14	0.93
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	12	0.93
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	14	0.93
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	7	0.93
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	9	0.93
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	13	0.93
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	14	0.93
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	9	0.93
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	1	0.93
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	1	0.93
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	1	0.93
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	12	0.93
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	1	0.93
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	4	0.93
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	2	0.93
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	2	0.93
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	2	0.93
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	6	0.93
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	6	0.93
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	6	0.93
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	17	0.93
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	17	0.93
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	17	0.93
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	19	0.93
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	19	0.93
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	19	0.93
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	13	0.93
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	13	0.93
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	13	0.93
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	13	0.93
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	16	0.93
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	18	0.93
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	7	0.93
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	7	0.93
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	7	0.93
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	11	0.93
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	11	0.93
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	11	0.93
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	4	0.93
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	4	0.93
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	4	0.93
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	18	0.93
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	18	0.93
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	18	0.93
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	4	0.93
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	4	0.93
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	4	0.93
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	17	0.93
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	17	0.93
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	20	0.93
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	1	0.93
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	12	0.93
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	14	0.93
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	14	0.93
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	14	0.93
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	12	0.93
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	5	0.93
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	7	0.93
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	1	0.93
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	1	0.93
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	13	0.93
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	13	0.93
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	13	0.93
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	16	0.93
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	16	0.93
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	16	0.93
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	7	0.93
(2,662)	1:72:A:ILE:HG12	1:72:A:ILE:H	20	0.93
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	1	0.93
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	1	0.93
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	1	0.93
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	11	0.93
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	11	0.93
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	11	0.93
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	0.93
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	10	0.93
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	8	0.93
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	8	0.93
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	8	0.93
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	20	0.93
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	20	0.93
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	20	0.93
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	14	0.93
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	14	0.93
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	14	0.93
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	2	0.93
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	15	0.93
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	6	0.93
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	13	0.93
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	16	0.93
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	18	0.93
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	3	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	16	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	16	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	16	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	19	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	19	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	19	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	20	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	20	0.93
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	20	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	3	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	3	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	7	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	7	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	7	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	13	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	13	0.93
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	13	0.93
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	4	0.93
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	13	0.93
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	18	0.93
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	17	0.93
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	17	0.93
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	17	0.93
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	8	0.93
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	10	0.93
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	13	0.93
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	19	0.93
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	19	0.93
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	19	0.93
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	16	0.93
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	10	0.93
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	20	0.93
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	14	0.93
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	1	0.93
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	1	0.93
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	1	0.93
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	3	0.93
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	3	0.93
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	3	0.93
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	11	0.93
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	6	0.93
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	19	0.93
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	15	0.93
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	15	0.93
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	15	0.93
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	15	0.93
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	10	0.93
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	13	0.93
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	14	0.93
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	2	0.93
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	1	0.93
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	7	0.93
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	20	0.93
(2,224)	1:36:A:GLU:HB2	1:36:A:GLU:H	17	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	1	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	1	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	1	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	2	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	2	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	2	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	7	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	7	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	7	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	9	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	9	0.93
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	9	0.93
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	3	0.93
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	7	0.93
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	18	0.93
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	18	0.93
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	18	0.93
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	14	0.93
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	15	0.93
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	15	0.93
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	15	0.93
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	7	0.93
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	7	0.93
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	7	0.93
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	9	0.93
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	15	0.93
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	20	0.93
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	10	0.93
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	10	0.93
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	10	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	5	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	5	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	5	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	6	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	6	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	6	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	8	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	8	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	10	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	10	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	10	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	11	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	11	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	11	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	18	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	18	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	18	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	19	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	19	0.93
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	19	0.93
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	7	0.93
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	10	0.93
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	13	0.93
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	19	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	4	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	4	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	4	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	8	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	8	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	8	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	15	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	15	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	15	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	17	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	17	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	17	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG21	19	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG22	19	0.93
(2,68)	1:25:A:VAL:HB	1:25:A:VAL:HG23	19	0.93
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	15	0.93
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	15	0.93
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	15	0.93
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	3	0.93
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	3	0.93
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	3	0.93
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	6	0.93
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	18	0.93
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	4	0.93
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	11	0.93
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	11	0.93
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	8	0.93
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	8	0.93
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	8	0.93
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	16	0.92
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	16	0.92
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	16	0.92
(2,2795)	1:117:A:GLU:HB2	1:116:A:LYS:H	18	0.92
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	8	0.92
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	11	0.92
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	13	0.92
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	19	0.92
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	1	0.92
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	12	0.92
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	12	0.92
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	12	0.92
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	19	0.92
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	19	0.92
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	19	0.92
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	13	0.92
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	8	0.92
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	16	0.92
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	19	0.92
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	19	0.92
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	19	0.92
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	10	0.92
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	10	0.92
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	10	0.92
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	3	0.92
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	3	0.92
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	3	0.92
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	20	0.92
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	20	0.92
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	20	0.92
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	5	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	5	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	5	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	5	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	18	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	18	0.92
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	6	0.92
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	6	0.92
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	6	0.92
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	5	0.92
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	1	0.92
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	12	0.92
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	8	0.92
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	8	0.92
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	8	0.92
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	16	0.92
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	16	0.92
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	16	0.92
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	13	0.92
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	2	0.92
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	4	0.92
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	11	0.92
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	18	0.92
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	18	0.92
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	18	0.92
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	15	0.92
(2,2314)	1:47:A:LEU:HG	1:46:A:ASN:H	12	0.92
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	5	0.92
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	10	0.92
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	19	0.92
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	16	0.92
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	10	0.92
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	10	0.92
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	10	0.92
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	3	0.92
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	10	0.92
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	10	0.92
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	9	0.92
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	18	0.92
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	18	0.92
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	18	0.92
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	12	0.92
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	8	0.92
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	11	0.92
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	7	0.92
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	6	0.92
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	14	0.92
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	1	0.92
(2,1845)	1:85:A:VAL:HG11	1:85:A:VAL:H	15	0.92
(2,1845)	1:85:A:VAL:HG12	1:85:A:VAL:H	15	0.92
(2,1845)	1:85:A:VAL:HG13	1:85:A:VAL:H	15	0.92
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	11	0.92
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	11	0.92
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	11	0.92
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	14	0.92
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	15	0.92
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	6	0.92
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	7	0.92
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	18	0.92
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	5	0.92
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	9	0.92
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	12	0.92
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	15	0.92
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	3	0.92
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	20	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	8	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	8	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	8	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	13	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	13	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	13	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	14	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	14	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	14	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	16	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	16	0.92
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	16	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	1	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	2	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	3	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	4	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	5	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	6	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	7	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	8	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	9	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	10	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	11	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	13	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	14	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	15	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	16	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	17	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	18	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	19	0.92
(2,1459)	1:59:A:ILE:HG12	1:59:A:ILE:HG13	20	0.92
(2,1451)	1:59:A:ILE:HD11	1:59:A:ILE:HB	20	0.92
(2,1451)	1:59:A:ILE:HD12	1:59:A:ILE:HB	20	0.92
(2,1451)	1:59:A:ILE:HD13	1:59:A:ILE:HB	20	0.92
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	7	0.92
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	7	0.92
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	7	0.92
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	1	0.92
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	1	0.92
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	12	0.92
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	12	0.92
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	13	0.92
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	20	0.92
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	9	0.92
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	11	0.92
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	4	0.92
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	4	0.92
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	4	0.92
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	5	0.92
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	16	0.92
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	16	0.92
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	16	0.92
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	4	0.92
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	4	0.92
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	4	0.92
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	14	0.92
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	14	0.92
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	14	0.92
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	7	0.92
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	5	0.92
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	1	0.92
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	1	0.92
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	1	0.92
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	15	0.92
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	15	0.92
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	18	0.92
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	18	0.92
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	18	0.92
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	19	0.92
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	19	0.92
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	19	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	2	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	2	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	2	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	3	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	3	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	3	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	5	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	5	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	5	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	8	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	8	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	8	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	9	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	9	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	9	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	11	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	11	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	11	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	13	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	13	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	13	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	14	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	14	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	14	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	16	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	16	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	16	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	17	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	17	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	17	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	18	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	18	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	18	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	19	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	19	0.92
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	20	0.92
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	20	0.92
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	20	0.92
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	17	0.92
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	8	0.92
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	8	0.92
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	8	0.92
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	6	0.92
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	10	0.92
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	10	0.92
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	10	0.92
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	2	0.92
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	8	0.92
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	12	0.92
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	20	0.92
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	14	0.92
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	20	0.92
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	14	0.92
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	2	0.92
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	16	0.92
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	1	0.92
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	1	0.92
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	1	0.92
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	15	0.92
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	11	0.92
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	11	0.92
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	11	0.92
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	12	0.92
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	5	0.92
(2,883)	1:85:A:VAL:HG21	1:85:A:VAL:HA	1	0.92
(2,883)	1:85:A:VAL:HG22	1:85:A:VAL:HA	1	0.92
(2,883)	1:85:A:VAL:HG23	1:85:A:VAL:HA	1	0.92
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	5	0.92
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	5	0.92
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	5	0.92
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	18	0.92
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	15	0.92
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	16	0.92
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.92
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.92
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	1	0.92
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	7	0.92
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	7	0.92
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	7	0.92
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	8	0.92
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	8	0.92
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	8	0.92
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	8	0.92
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	8	0.92
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	8	0.92
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	8	0.92
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	8	0.92
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	8	0.92
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	12	0.92
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	12	0.92
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	12	0.92
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	4	0.92
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	4	0.92
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	4	0.92
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	8	0.92
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	8	0.92
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	8	0.92
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	13	0.92
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	13	0.92
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	13	0.92
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	11	0.92
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	4	0.92
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	9	0.92
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	15	0.92
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	16	0.92
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	12	0.92
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	10	0.92
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	15	0.92
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	15	0.92
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	15	0.92
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	1	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	1	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	3	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	4	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	12	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	14	0.92
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	13	0.92
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	6	0.92
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	13	0.92
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	14	0.92
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	12	0.92
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	12	0.92
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	12	0.92
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	7	0.92
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	7	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	1	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	1	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	1	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	2	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	2	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	2	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	3	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	3	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	3	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	4	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	4	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	4	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	5	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	5	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	5	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	6	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	6	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	6	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	7	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	7	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	7	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	8	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	8	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	8	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	9	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	9	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	9	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	10	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	10	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	10	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	11	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	11	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	12	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	12	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	12	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	13	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	13	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	13	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	14	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	14	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	14	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	15	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	15	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	15	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	17	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	17	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	17	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG21	18	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG22	18	0.92
(2,493)	1:62:A:ILE:HB	1:62:A:ILE:HG23	18	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	2	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	2	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	2	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	15	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	15	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	15	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	20	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	20	0.92
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	20	0.92
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	6	0.92
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	12	0.92
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	12	0.92
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	8	0.92
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	9	0.92
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	11	0.92
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	20	0.92
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	10	0.92
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	12	0.92
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	12	0.92
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	12	0.92
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	3	0.92
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	14	0.92
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	14	0.92
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	1	0.92
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	14	0.92
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	14	0.92
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	14	0.92
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	2	0.92
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	4	0.92
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	16	0.92
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	17	0.92
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	20	0.92
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	15	0.92
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	15	0.92
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	15	0.92
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	12	0.92
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	4	0.92
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	15	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	8	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	8	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	8	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	17	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	17	0.92
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	17	0.92
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	4	0.92
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	13	0.92
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	13	0.92
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	13	0.92
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	13	0.92
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	2	0.92
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	15	0.92
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	11	0.92
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	12	0.92
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	14	0.92
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	14	0.92
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	14	0.92
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	5	0.92
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	5	0.92
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	5	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	1	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	1	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	1	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	2	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	2	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	9	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	9	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	9	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	15	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	15	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	15	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	17	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	17	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	17	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	20	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	20	0.92
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	20	0.92
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	9	0.92
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	15	0.92
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	19	0.92
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	12	0.92
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	12	0.92
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	12	0.92
(2,95)	1:76:A:LEU:HD11	1:76:A:LEU:HA	13	0.92
(2,95)	1:76:A:LEU:HD12	1:76:A:LEU:HA	13	0.92
(2,95)	1:76:A:LEU:HD13	1:76:A:LEU:HA	13	0.92
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	12	0.92
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	12	0.92
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	12	0.92
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	6	0.92
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	13	0.92
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	13	0.92
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	13	0.92
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	11	0.92
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	11	0.92
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	11	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	4	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	4	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	4	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	6	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	6	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	6	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	8	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	8	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	8	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	10	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	10	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	11	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	11	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	11	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	12	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	12	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	12	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	14	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	14	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	14	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	17	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	17	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	17	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	18	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	18	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	18	0.92
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	19	0.92
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	19	0.92
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	19	0.92
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	16	0.92
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	16	0.92
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	16	0.92
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	9	0.92
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	17	0.92
(1,1412)	1:107:A:SER:H	1:110:A:GLU:HG2	4	0.92
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	5	0.91
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	5	0.91
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	5	0.91
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	19	0.91
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	6	0.91
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	20	0.91
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	20	0.91
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	20	0.91
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	20	0.91
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	1	0.91
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	1	0.91
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	1	0.91
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	14	0.91
(2,2654)	1:74:A:VAL:HB	1:102:A:ILE:H	20	0.91
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	5	0.91
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	9	0.91
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	2	0.91
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	2	0.91
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	2	0.91
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	4	0.91
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	4	0.91
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	4	0.91
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	10	0.91
(2,2527)	1:85:A:VAL:HG21	1:82:A:ALA:H	6	0.91
(2,2527)	1:85:A:VAL:HG22	1:82:A:ALA:H	6	0.91
(2,2527)	1:85:A:VAL:HG23	1:82:A:ALA:H	6	0.91
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	15	0.91
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	15	0.91
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	15	0.91
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	1	0.91
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	17	0.91
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	18	0.91
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	18	0.91
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	18	0.91
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	11	0.91
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	14	0.91
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	11	0.91
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	11	0.91
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	11	0.91
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	4	0.91
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	4	0.91
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	4	0.91
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	18	0.91
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	18	0.91
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	18	0.91
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	20	0.91
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	9	0.91
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	9	0.91
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	9	0.91
(2,2314)	1:47:A:LEU:HG	1:46:A:ASN:H	7	0.91
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	9	0.91
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	9	0.91
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	9	0.91
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	3	0.91
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	4	0.91
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	16	0.91
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	17	0.91
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	17	0.91
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	20	0.91
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	3	0.91
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	14	0.91
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	7	0.91
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	18	0.91
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	8	0.91
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	18	0.91
(2,1880)	1:103:A:ARG:H	1:103:A:ARG:HD3	6	0.91
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	3	0.91
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	6	0.91
(2,1772)	1:49:A:LEU:HG	1:49:A:LEU:H	12	0.91
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	16	0.91
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	7	0.91
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	1	0.91
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	4	0.91
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	10	0.91
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	11	0.91
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	6	0.91
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	7	0.91
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	8	0.91
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	18	0.91
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	4	0.91
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	4	0.91
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	4	0.91
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	11	0.91
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	11	0.91
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	11	0.91
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	9	0.91
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	9	0.91
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	9	0.91
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	2	0.91
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	2	0.91
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	2	0.91
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	13	0.91
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	13	0.91
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	13	0.91
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	19	0.91
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	13	0.91
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	13	0.91
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	13	0.91
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	18	0.91
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	18	0.91
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	10	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	5	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	5	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	5	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	5	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	5	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	5	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	5	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	5	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	5	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	17	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	17	0.91
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	17	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	17	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	17	0.91
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	17	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	17	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	17	0.91
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	17	0.91
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	1	0.91
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	1	0.91
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	1	0.91
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	1	0.91
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	1	0.91
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	1	0.91
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	1	0.91
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	1	0.91
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	1	0.91
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	8	0.91
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	8	0.91
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	8	0.91
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	7	0.91
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	7	0.91
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	7	0.91
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	7	0.91
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	7	0.91
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	7	0.91
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	12	0.91
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	12	0.91
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	10	0.91
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	16	0.91
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	18	0.91
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	20	0.91
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	3	0.91
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	3	0.91
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	3	0.91
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	18	0.91
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	18	0.91
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	18	0.91
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	19	0.91
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	19	0.91
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	19	0.91
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	11	0.91
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	11	0.91
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	11	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	1	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	1	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	1	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	4	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	4	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	4	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	6	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	6	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	6	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	7	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	7	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	7	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	10	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	10	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	10	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	12	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	12	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	12	0.91
(2,1208)	1:105:A:VAL:HG11	1:105:A:VAL:HB	15	0.91
(2,1208)	1:105:A:VAL:HG12	1:105:A:VAL:HB	15	0.91
(2,1208)	1:105:A:VAL:HG13	1:105:A:VAL:HB	15	0.91
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	17	0.91
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	18	0.91
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	9	0.91
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	13	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	3	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	4	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	5	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	6	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	7	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	9	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	10	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	11	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	13	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	14	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	15	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	16	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	17	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	18	0.91
(2,1107)	1:102:A:ILE:HA	1:102:A:ILE:HB	19	0.91
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	19	0.91
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	6	0.91
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	4	0.91
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	4	0.91
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	4	0.91
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	16	0.91
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	20	0.91
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	20	0.91
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	20	0.91
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	5	0.91
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	6	0.91
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	4	0.91
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	4	0.91
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	4	0.91
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	5	0.91
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	5	0.91
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	5	0.91
(2,1012)	1:98:A:LEU:HD21	1:98:A:LEU:HB3	9	0.91
(2,1012)	1:98:A:LEU:HD22	1:98:A:LEU:HB3	9	0.91
(2,1012)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	9	0.91
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	17	0.91
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	3	0.91
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	15	0.91
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	17	0.91
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	16	0.91
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	10	0.91
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	10	0.91
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	5	0.91
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	5	0.91
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	5	0.91
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	16	0.91
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	20	0.91
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	6	0.91
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	9	0.91
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	9	0.91
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	9	0.91
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	17	0.91
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	8	0.91
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	18	0.91
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	18	0.91
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	18	0.91
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	17	0.91
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	17	0.91
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	17	0.91
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	17	0.91
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	17	0.91
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	17	0.91
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	17	0.91
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	17	0.91
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	17	0.91
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	14	0.91
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	14	0.91
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	14	0.91
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	2	0.91
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	13	0.91
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	11	0.91
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	3	0.91
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	3	0.91
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	3	0.91
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	8	0.91
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	8	0.91
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	8	0.91
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	19	0.91
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	19	0.91
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	19	0.91
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	1	0.91
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	1	0.91
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	1	0.91
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	1	0.91
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	1	0.91
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	8	0.91
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	8	0.91
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	8	0.91
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	13	0.91
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	13	0.91
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	13	0.91
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	20	0.91
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	20	0.91
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	20	0.91
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	5	0.91
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	5	0.91
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	5	0.91
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	6	0.91
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	10	0.91
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	10	0.91
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	10	0.91
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	3	0.91
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	2	0.91
(2,584)	1:69:A:PRO:HB2	1:69:A:PRO:HG2	20	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	1	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	2	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	3	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	4	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	5	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	7	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	8	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	9	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	10	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	11	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	12	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	14	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	15	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	16	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	17	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	18	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	19	0.91
(2,563)	1:68:A:PRO:HB2	1:68:A:PRO:HB3	20	0.91
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	9	0.91
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	9	0.91
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	3	0.91
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	3	0.91
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	3	0.91
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	11	0.91
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	11	0.91
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	11	0.91
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	1	0.91
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	19	0.91
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	2	0.91
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	9	0.91
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	10	0.91
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	16	0.91
(2,532)	1:66:A:LEU:HB2	1:66:A:LEU:HG	17	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	5	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	5	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	5	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	6	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	6	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	6	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	8	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	8	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	8	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	10	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	10	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	10	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	12	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	12	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	12	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	16	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	16	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	16	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	19	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	19	0.91
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	19	0.91
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	20	0.91
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	13	0.91
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	10	0.91
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	1	0.91
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	5	0.91
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	16	0.91
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	14	0.91
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	14	0.91
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	12	0.91
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	14	0.91
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	14	0.91
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	14	0.91
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	9	0.91
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	11	0.91
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	11	0.91
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	11	0.91
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	1	0.91
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	8	0.91
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	13	0.91
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	4	0.91
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	5	0.91
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	6	0.91
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	9	0.91
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	9	0.91
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	9	0.91
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	6	0.91
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	6	0.91
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	6	0.91
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	1	0.91
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	3	0.91
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	9	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	4	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	4	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	4	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	5	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	5	0.91
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	5	0.91
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	3	0.91
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	17	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	4	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	4	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	4	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	16	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	16	0.91
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	16	0.91
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	11	0.91
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	11	0.91
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	16	0.91
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	19	0.91
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	16	0.91
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	16	0.91
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	16	0.91
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	7	0.91
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	4	0.91
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	1	0.91
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	8	0.91
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	9	0.91
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	13	0.91
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	7	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	1	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	1	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	1	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	2	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	2	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	2	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	3	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	3	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	3	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	4	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	4	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	4	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	5	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	5	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	5	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	6	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	6	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	6	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	7	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	7	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	7	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	8	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	8	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	8	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	9	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	9	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	9	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	10	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	10	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	11	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	11	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	11	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	12	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	12	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	12	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	13	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	13	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	13	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	15	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	15	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	15	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	16	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	16	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	16	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	17	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	17	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	17	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	18	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	18	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	18	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	19	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	19	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	19	0.91
(2,115)	1:27:A:ILE:HD11	1:27:A:ILE:HG13	20	0.91
(2,115)	1:27:A:ILE:HD12	1:27:A:ILE:HG13	20	0.91
(2,115)	1:27:A:ILE:HD13	1:27:A:ILE:HG13	20	0.91
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	20	0.91
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	20	0.91
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	20	0.91
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	20	0.91
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	20	0.91
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	20	0.91
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	20	0.91
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	20	0.91
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	20	0.91
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	12	0.91
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	12	0.91
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	12	0.91
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	1	0.91
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	14	0.91
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	7	0.91
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	13	0.91
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	8	0.91
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	8	0.91
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	8	0.91
(2,41)	1:24:A:LEU:HA	1:24:A:LEU:HB2	18	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	1	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	1	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	1	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	2	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	2	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	2	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	3	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	3	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	3	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	5	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	5	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	5	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	7	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	7	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	7	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	9	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	9	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	9	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	13	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	13	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	13	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	15	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	15	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	15	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	16	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	16	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	16	0.91
(2,31)	1:24:A:LEU:HD21	1:24:A:LEU:HG	20	0.91
(2,31)	1:24:A:LEU:HD22	1:24:A:LEU:HG	20	0.91
(2,31)	1:24:A:LEU:HD23	1:24:A:LEU:HG	20	0.91
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	10	0.91
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	10	0.91
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	10	0.91
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG11	12	0.91
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG12	12	0.91
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG13	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:85:A:VAL:HG21	1:89:A:ILE:HG12	14	0.91
(1,559)	1:85:A:VAL:HG22	1:89:A:ILE:HG12	14	0.91
(1,559)	1:85:A:VAL:HG23	1:89:A:ILE:HG12	14	0.91
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	20	0.9
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	20	0.9
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	20	0.9
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	15	0.9
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	1	0.9
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	1	0.9
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	1	0.9
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	4	0.9
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	4	0.9
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	4	0.9
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	14	0.9
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	14	0.9
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	14	0.9
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	7	0.9
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	19	0.9
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	19	0.9
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	19	0.9
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	4	0.9
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	4	0.9
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	4	0.9
(2,2482)	1:29:A:SER:HA	1:28:A:TRP:HE1	1	0.9
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	17	0.9
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	17	0.9
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	17	0.9
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	11	0.9
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	7	0.9
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	3	0.9
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	3	0.9
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	3	0.9
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	2	0.9
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	14	0.9
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	6	0.9
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	7	0.9
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	4	0.9
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	4	0.9
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	4	0.9
(2,2336)	1:25:A:VAL:HB	1:50:A:LEU:H	2	0.9
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	10	0.9
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	10	0.9
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	2	0.9
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	5	0.9
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	8	0.9
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	17	0.9
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	12	0.9
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	1	0.9
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	10	0.9
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	11	0.9
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	8	0.9
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	20	0.9
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	15	0.9
(2,1857)	1:98:A:LEU:H	1:98:A:LEU:HG	19	0.9
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	9	0.9
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	11	0.9
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	15	0.9
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	17	0.9
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	19	0.9
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	1	0.9
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	4	0.9
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	10	0.9
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	11	0.9
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	19	0.9
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	19	0.9
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	19	0.9
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	19	0.9
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	19	0.9
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	19	0.9
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	19	0.9
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	19	0.9
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	19	0.9
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	20	0.9
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	20	0.9
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	20	0.9
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	20	0.9
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	20	0.9
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	20	0.9
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	20	0.9
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	20	0.9
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	20	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	5	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	5	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	10	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	10	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	10	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	17	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	17	0.9
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	17	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	2	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	2	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	2	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	3	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	3	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	3	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	15	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	15	0.9
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	15	0.9
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	10	0.9
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	10	0.9
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	10	0.9
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	17	0.9
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	17	0.9
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	17	0.9
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	18	0.9
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	18	0.9
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	18	0.9
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	8	0.9
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	8	0.9
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	8	0.9
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	20	0.9
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	20	0.9
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	20	0.9
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	5	0.9
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	9	0.9
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	7	0.9
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	16	0.9
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	3	0.9
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	3	0.9
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	3	0.9
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	6	0.9
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	6	0.9
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	6	0.9
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	10	0.9
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	10	0.9
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	2	0.9
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	2	0.9
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	6	0.9
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	14	0.9
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	7	0.9
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	4	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	1	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	3	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	5	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	8	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	11	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	12	0.9
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	15	0.9
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	6	0.9
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	16	0.9
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	17	0.9
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	17	0.9
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	17	0.9
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	17	0.9
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	17	0.9
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	17	0.9
(2,1205)	1:105:A:VAL:HG21	1:105:A:VAL:H	16	0.9
(2,1205)	1:105:A:VAL:HG22	1:105:A:VAL:H	16	0.9
(2,1205)	1:105:A:VAL:HG23	1:105:A:VAL:H	16	0.9
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	16	0.9
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	9	0.9
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	11	0.9
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	17	0.9
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	12	0.9
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	12	0.9
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	12	0.9
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	18	0.9
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	2	0.9
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	3	0.9
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	10	0.9
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	5	0.9
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	5	0.9
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	5	0.9
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	1	0.9
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	19	0.9
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	9	0.9
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	14	0.9
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD21	14	0.9
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD22	14	0.9
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD23	14	0.9
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD21	14	0.9
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD22	14	0.9
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD23	14	0.9
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD21	14	0.9
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD22	14	0.9
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD23	14	0.9
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	20	0.9
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	20	0.9
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	20	0.9
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	12	0.9
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	12	0.9
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	12	0.9
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	1	0.9
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	1	0.9
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	1	0.9
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	1	0.9
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	6	0.9
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	9	0.9
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	4	0.9
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	4	0.9
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	4	0.9
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	4	0.9
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	4	0.9
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	4	0.9
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	4	0.9
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	4	0.9
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	4	0.9
(2,903)	1:86:A:LYS:H	1:86:A:LYS:HB2	8	0.9
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	6	0.9
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	6	0.9
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	6	0.9
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	6	0.9
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	7	0.9
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	7	0.9
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	7	0.9
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	7	0.9
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	7	0.9
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	7	0.9
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	7	0.9
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	7	0.9
(2,876)	1:85:A:VAL:HG11	1:85:A:VAL:H	13	0.9
(2,876)	1:85:A:VAL:HG12	1:85:A:VAL:H	13	0.9
(2,876)	1:85:A:VAL:HG13	1:85:A:VAL:H	13	0.9
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	14	0.9
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	14	0.9
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	15	0.9
(2,850)	1:84:A:LYS:H	1:83:A:ASP:HB2	13	0.9
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	10	0.9
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	10	0.9
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	10	0.9
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	10	0.9
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	10	0.9
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	10	0.9
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	10	0.9
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	10	0.9
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	10	0.9
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	14	0.9
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	20	0.9
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	4	0.9
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	1	0.9
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	1	0.9
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	1	0.9
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	1	0.9
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	1	0.9
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	1	0.9
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	1	0.9
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	1	0.9
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	1	0.9
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	1	0.9
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	1	0.9
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	1	0.9
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	1	0.9
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	1	0.9
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	1	0.9
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	20	0.9
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	18	0.9
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	15	0.9
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	15	0.9
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	11	0.9
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	11	0.9
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	11	0.9
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	3	0.9
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	3	0.9
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	3	0.9
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	10	0.9
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	10	0.9
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	10	0.9
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	7	0.9
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	7	0.9
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	7	0.9
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	18	0.9
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	3	0.9
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	3	0.9
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	3	0.9
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	20	0.9
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	20	0.9
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	20	0.9
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG11	20	0.9
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG12	20	0.9
(2,622)	1:22:A:GLY:HA3	1:70:A:VAL:HG13	20	0.9
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	1	0.9
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	1	0.9
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	1	0.9
(2,612)	1:70:A:VAL:HG21	1:63:A:LEU:HA	10	0.9
(2,612)	1:70:A:VAL:HG22	1:63:A:LEU:HA	10	0.9
(2,612)	1:70:A:VAL:HG23	1:63:A:LEU:HA	10	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	1	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	2	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	3	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	4	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	5	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	6	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	7	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	8	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	9	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	10	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	11	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	13	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	14	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	15	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	16	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	17	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	18	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	19	0.9
(2,559)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	20	0.9
(2,553)	1:67:A:GLY:HA2	1:67:A:GLY:H	2	0.9
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	5	0.9
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	5	0.9
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	5	0.9
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	15	0.9
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	15	0.9
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	15	0.9
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	15	0.9
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	15	0.9
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	15	0.9
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	3	0.9
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	9	0.9
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	11	0.9
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	14	0.9
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	1	0.9
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	1	0.9
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	1	0.9
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	3	0.9
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	16	0.9
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	13	0.9
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	18	0.9
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	9	0.9
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	9	0.9
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	9	0.9
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	10	0.9
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	10	0.9
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	10	0.9
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	12	0.9
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	6	0.9
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	12	0.9
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	11	0.9
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	19	0.9
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	19	0.9
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	19	0.9
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	19	0.9
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	19	0.9
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	19	0.9
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	19	0.9
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	19	0.9
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	5	0.9
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	5	0.9
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	5	0.9
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	7	0.9
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	14	0.9
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	15	0.9
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	17	0.9
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	9	0.9
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	7	0.9
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	14	0.9
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	19	0.9
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	19	0.9
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	19	0.9
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	17	0.9
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	17	0.9
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	17	0.9
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	17	0.9
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	17	0.9
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	17	0.9
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	17	0.9
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	17	0.9
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	17	0.9
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	5	0.9
(2,251)	1:94:A:ARG:H	1:94:A:ARG:HB2	16	0.9
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	6	0.9
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	6	0.9
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	6	0.9
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	4	0.9
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	6	0.9
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	13	0.9
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	13	0.9
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	15	0.9
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	15	0.9
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	15	0.9
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	9	0.9
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	9	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	9	0.9
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	20	0.9
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	20	0.9
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	20	0.9
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	13	0.9
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	4	0.9
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	4	0.9
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	4	0.9
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	7	0.9
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	3	0.9
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	7	0.9
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	1	0.9
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	17	0.9
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	1	0.9
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	16	0.9
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	10	0.9
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	3	0.9
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	8	0.9
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	8	0.9
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	8	0.9
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	8	0.9
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	8	0.9
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	8	0.9
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	8	0.9
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	8	0.9
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	8	0.9
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	16	0.9
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	16	0.9
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	16	0.9
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	4	0.9
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	5	0.9
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	6	0.9
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	11	0.9
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	11	0.9
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	11	0.9
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	5	0.9
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	11	0.9
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	6	0.9
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	6	0.9
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	6	0.9
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	19	0.9
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	19	0.9
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	2	0.9
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	2	0.9
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	2	0.9
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	8	0.9
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	16	0.9
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	8	0.9
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	8	0.9
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	8	0.9
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	11	0.9
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	4	0.9
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	11	0.9
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	15	0.9
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	15	0.9
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	15	0.9
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	13	0.9
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	19	0.9
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	6	0.9
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	7	0.9
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	19	0.9
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	6	0.9
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	6	0.9
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	6	0.9
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	10	0.89
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	10	0.89
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	10	0.89
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	15	0.89
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	18	0.89
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	18	0.89
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	18	0.89
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	4	0.89
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	4	0.89
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	4	0.89
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	18	0.89
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	2	0.89
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	3	0.89
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	3	0.89
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	3	0.89
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	13	0.89
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	13	0.89
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	13	0.89
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	15	0.89
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	15	0.89
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	19	0.89
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	19	0.89
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	19	0.89
(2,2527)	1:85:A:VAL:HG21	1:82:A:ALA:H	12	0.89
(2,2527)	1:85:A:VAL:HG22	1:82:A:ALA:H	12	0.89
(2,2527)	1:85:A:VAL:HG23	1:82:A:ALA:H	12	0.89
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	9	0.89
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	9	0.89
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	9	0.89
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	2	0.89
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	17	0.89
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	17	0.89
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	17	0.89
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	6	0.89
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	13	0.89
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	13	0.89
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	13	0.89
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	13	0.89
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	10	0.89
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	20	0.89
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	20	0.89
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	20	0.89
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	16	0.89
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	2	0.89
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	2	0.89
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	2	0.89
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	18	0.89
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	16	0.89
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	11	0.89
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	9	0.89
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	19	0.89
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	3	0.89
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	20	0.89
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	15	0.89
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	15	0.89
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	15	0.89
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	15	0.89
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	18	0.89
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	20	0.89
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	1	0.89
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	4	0.89
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	17	0.89
(2,1880)	1:103:A:ARG:H	1:103:A:ARG:HD3	15	0.89
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	13	0.89
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	1	0.89
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	3	0.89
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	10	0.89
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	2	0.89
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	15	0.89
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	17	0.89
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	19	0.89
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	6	0.89
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	8	0.89
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	15	0.89
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	3	0.89
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	3	0.89
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	3	0.89
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	4	0.89
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	4	0.89
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	4	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	1	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	1	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	1	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	4	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	4	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	4	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	5	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	5	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	5	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	6	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	6	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	6	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	7	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	7	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	7	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	8	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	8	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	8	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	9	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	9	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	10	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	10	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	10	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	11	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	11	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	11	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	12	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	12	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	12	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	13	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	13	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	13	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	14	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	14	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	14	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	16	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	16	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	16	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	17	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	17	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	17	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	18	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	18	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	18	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	19	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	19	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	19	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD11	20	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD12	20	0.89
(2,1476)	1:62:A:ILE:HG12	1:62:A:ILE:HD13	20	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	7	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	7	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	7	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	12	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	12	0.89
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	12	0.89
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	11	0.89
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	5	0.89
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	5	0.89
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	5	0.89
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	16	0.89
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	16	0.89
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	7	0.89
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	9	0.89
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	9	0.89
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	9	0.89
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	9	0.89
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	2	0.89
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	2	0.89
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	2	0.89
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	14	0.89
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	7	0.89
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	7	0.89
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	7	0.89
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	7	0.89
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	7	0.89
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	7	0.89
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	7	0.89
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	7	0.89
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	7	0.89
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	10	0.89
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	2	0.89
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	2	0.89
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	2	0.89
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	1	0.89
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	14	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	2	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	4	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	6	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	9	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	14	0.89
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	19	0.89
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	10	0.89
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	17	0.89
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	19	0.89
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	19	0.89
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	19	0.89
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	11	0.89
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	7	0.89
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	4	0.89
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	2	0.89
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	10	0.89
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1158)	1:104:A:LYS:HA	1:104:A:LYS:H	19	0.89
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	3	0.89
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	6	0.89
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	1	0.89
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	1	0.89
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	1	0.89
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	10	0.89
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	10	0.89
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	10	0.89
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	12	0.89
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	12	0.89
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	12	0.89
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	13	0.89
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	13	0.89
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	13	0.89
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	18	0.89
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	18	0.89
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	18	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	1	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	2	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	3	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	4	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	8	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	9	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	11	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	12	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	13	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	16	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	17	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	18	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	19	0.89
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	20	0.89
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	17	0.89
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	13	0.89
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	1	0.89
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	6	0.89
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	13	0.89
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	6	0.89
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	10	0.89
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	13	0.89
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	17	0.89
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	17	0.89
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	19	0.89
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	15	0.89
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	15	0.89
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	15	0.89
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	1	0.89
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	5	0.89
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	5	0.89
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	10	0.89
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	2	0.89
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	9	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	2	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	4	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	8	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	13	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	14	0.89
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	16	0.89
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	19	0.89
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	8	0.89
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	8	0.89
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	8	0.89
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	17	0.89
(2,815)	1:78:A:ASP:H	1:78:A:ASP:HB3	20	0.89
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	5	0.89
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	9	0.89
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	13	0.89
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	3	0.89
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	17	0.89
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	11	0.89
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	11	0.89
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	11	0.89
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	14	0.89
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	14	0.89
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	14	0.89
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	10	0.89
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	10	0.89
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	10	0.89
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	4	0.89
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	4	0.89
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	4	0.89
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	13	0.89
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	13	0.89
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	19	0.89
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	19	0.89
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	19	0.89
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	17	0.89
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	17	0.89
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	17	0.89
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	6	0.89
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	6	0.89
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	6	0.89
(2,687)	1:73:A:LEU:HD21	1:74:A:VAL:H	19	0.89
(2,687)	1:73:A:LEU:HD22	1:74:A:VAL:H	19	0.89
(2,687)	1:73:A:LEU:HD23	1:74:A:VAL:H	19	0.89
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	6	0.89
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	6	0.89
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	6	0.89
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	11	0.89
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	11	0.89
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	11	0.89
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	15	0.89
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	15	0.89
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	15	0.89
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	4	0.89
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	4	0.89
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	4	0.89
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	1	0.89
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	5	0.89
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	1	0.89
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	9	0.89
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	9	0.89
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	9	0.89
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	17	0.89
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	7	0.89
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	11	0.89
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	13	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	1	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	2	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	3	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	4	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	5	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	6	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	7	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	8	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	9	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	10	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	11	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	12	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	13	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	14	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	15	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	16	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	17	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	18	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	19	0.89
(2,555)	1:67:A:GLY:HA2	1:67:A:GLY:HA3	20	0.89
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	5	0.89
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	5	0.89
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	5	0.89
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	17	0.89
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	16	0.89
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	18	0.89
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	4	0.89
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	4	0.89
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	4	0.89
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	14	0.89
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	14	0.89
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	14	0.89
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	16	0.89
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	13	0.89
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	15	0.89
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	17	0.89
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	6	0.89
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	6	0.89
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	6	0.89
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	9	0.89
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	8	0.89
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	8	0.89
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	8	0.89
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	8	0.89
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	8	0.89
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	8	0.89
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	8	0.89
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	8	0.89
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	2	0.89
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	14	0.89
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	16	0.89
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	7	0.89
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	7	0.89
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	7	0.89
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	16	0.89
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	16	0.89
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	16	0.89
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	16	0.89
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	16	0.89
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	16	0.89
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	14	0.89
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	14	0.89
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	14	0.89
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	14	0.89
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	14	0.89
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	14	0.89
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	14	0.89
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	14	0.89
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	14	0.89
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	6	0.89
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	18	0.89
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	15	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	10	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	10	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	10	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	12	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	12	0.89
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	12	0.89
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	3	0.89
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	3	0.89
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	3	0.89
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	13	0.89
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	13	0.89
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	13	0.89
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	14	0.89
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	14	0.89
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	14	0.89
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	15	0.89
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	14	0.89
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	11	0.89
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	18	0.89
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	18	0.89
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	18	0.89
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	8	0.89
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	8	0.89
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	8	0.89
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	19	0.89
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	5	0.89
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	9	0.89
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	18	0.89
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	20	0.89
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	19	0.89
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	9	0.89
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	13	0.89
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	19	0.89
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	3	0.89
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	6	0.89
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	8	0.89
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	17	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	11	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	11	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	11	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	14	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	14	0.89
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	14	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	5	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	5	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	5	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	15	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	15	0.89
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	15	0.89
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	16	0.89
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	16	0.89
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	16	0.89
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	13	0.89
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	13	0.89
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	13	0.89
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	1	0.89
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	4	0.89
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	9	0.89
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	6	0.89
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	6	0.89
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	6	0.89
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	7	0.89
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	7	0.89
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	7	0.89
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	14	0.89
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	14	0.89
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	14	0.89
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	16	0.89
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	16	0.89
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	16	0.89
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	19	0.89
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	19	0.89
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	19	0.89
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	2	0.89
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	2	0.89
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	2	0.89
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	2	0.89
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	2	0.89
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	2	0.89
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	2	0.89
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	2	0.89
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	2	0.89
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	1	0.89
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	1	0.89
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	1	0.89
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	15	0.89
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	15	0.89
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	15	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	1	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	1	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	1	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	3	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	3	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	3	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	4	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	4	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	4	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	5	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	5	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	6	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	6	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	6	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	7	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	7	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	7	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	8	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	8	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	8	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	9	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	9	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	9	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	10	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	10	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	10	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	11	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	11	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	11	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	12	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	12	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	12	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	13	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	13	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	13	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	14	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	14	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	14	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	15	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	15	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	15	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	16	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	16	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	16	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	17	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	17	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	17	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	18	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	18	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	18	0.89
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	19	0.89
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	19	0.89
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	9	0.89
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	9	0.89
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	9	0.89
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	2	0.89
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	18	0.89
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	18	0.89
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	18	0.89
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	8	0.89
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	14	0.88
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	4	0.88
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	1	0.88
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	1	0.88
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	1	0.88
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	17	0.88
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	2	0.88
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	11	0.88
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	15	0.88
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	20	0.88
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	20	0.88
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	20	0.88
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	5	0.88
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	5	0.88
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	5	0.88
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	18	0.88
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	18	0.88
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	18	0.88
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	6	0.88
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	9	0.88
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	9	0.88
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	9	0.88
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	18	0.88
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	18	0.88
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	18	0.88
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	1	0.88
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	1	0.88
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	1	0.88
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	10	0.88
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	10	0.88
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	10	0.88
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	20	0.88
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	20	0.88
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	13	0.88
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	13	0.88
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	13	0.88
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	8	0.88
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	19	0.88
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	19	0.88
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	1	0.88
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	11	0.88
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	11	0.88
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	11	0.88
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	16	0.88
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	12	0.88
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	19	0.88
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	12	0.88
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	17	0.88
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	17	0.88
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	17	0.88
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	20	0.88
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	2	0.88
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	1	0.88
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	18	0.88
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	18	0.88
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	18	0.88
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	6	0.88
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	19	0.88
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	11	0.88
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	11	0.88
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	11	0.88
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	16	0.88
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	9	0.88
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	9	0.88
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	9	0.88
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	8	0.88
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	17	0.88
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	6	0.88
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	17	0.88
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	12	0.88
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	10	0.88
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	1	0.88
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	3	0.88
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	12	0.88
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	20	0.88
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	5	0.88
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	8	0.88
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	2	0.88
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	15	0.88
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	8	0.88
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	2	0.88
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	16	0.88
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	8	0.88
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	15	0.88
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	15	0.88
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	15	0.88
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	15	0.88
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	13	0.88
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	15	0.88
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	6	0.88
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	6	0.88
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	6	0.88
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	19	0.88
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	19	0.88
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	19	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	1	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	2	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	3	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	4	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	5	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	6	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	7	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	8	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	9	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	10	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	11	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	12	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	13	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	14	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	15	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	16	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	17	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	18	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	19	0.88
(2,1450)	1:120:A:GLU:HB2	1:120:A:GLU:HB3	20	0.88
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	3	0.88
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	3	0.88
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	3	0.88
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	10	0.88
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	4	0.88
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	4	0.88
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	13	0.88
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	1	0.88
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	1	0.88
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	1	0.88
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	2	0.88
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	16	0.88
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	13	0.88
(2,1260)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	17	0.88
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	12	0.88
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	16	0.88
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	11	0.88
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	18	0.88
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	3	0.88
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	3	0.88
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	3	0.88
(2,1214)	1:105:A:VAL:HG11	1:105:A:VAL:HA	16	0.88
(2,1214)	1:105:A:VAL:HG12	1:105:A:VAL:HA	16	0.88
(2,1214)	1:105:A:VAL:HG13	1:105:A:VAL:HA	16	0.88
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	3	0.88
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	3	0.88
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	3	0.88
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	19	0.88
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	2	0.88
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	7	0.88
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	11	0.88
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	7	0.88
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	7	0.88
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	7	0.88
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	18	0.88
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	18	0.88
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	18	0.88
(2,1108)	1:102:A:ILE:HB	1:102:A:ILE:H	12	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	2	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	2	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	2	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	3	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	3	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	4	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	4	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	4	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	5	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	5	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	5	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	6	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	6	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	6	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	7	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	7	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	7	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	8	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	8	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	8	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	9	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	9	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	9	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	11	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	11	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	11	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	14	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	14	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	14	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	15	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	15	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	15	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	16	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	16	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	16	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	17	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	17	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	17	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	19	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	19	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	19	0.88
(2,1105)	1:102:A:ILE:HG21	1:102:A:ILE:HB	20	0.88
(2,1105)	1:102:A:ILE:HG22	1:102:A:ILE:HB	20	0.88
(2,1105)	1:102:A:ILE:HG23	1:102:A:ILE:HB	20	0.88
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	6	0.88
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	7	0.88
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	10	0.88
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	14	0.88
(2,1102)	1:101:A:ARG:HG2	1:101:A:ARG:HG3	15	0.88
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	14	0.88
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	6	0.88
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	17	0.88
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	8	0.88
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	8	0.88
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	8	0.88
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	5	0.88
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	10	0.88
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	19	0.88
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	5	0.88
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	5	0.88
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	5	0.88
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	1	0.88
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	11	0.88
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	9	0.88
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	20	0.88
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	10	0.88
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	5	0.88
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	20	0.88
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	16	0.88
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	16	0.88
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	16	0.88
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	3	0.88
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	3	0.88
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	3	0.88
(2,994)	1:98:A:LEU:HD11	1:98:A:LEU:HB2	10	0.88
(2,994)	1:98:A:LEU:HD12	1:98:A:LEU:HB2	10	0.88
(2,994)	1:98:A:LEU:HD13	1:98:A:LEU:HB2	10	0.88
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	19	0.88
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	8	0.88
(2,948)	1:90:A:GLU:HB3	1:90:A:GLU:HA	11	0.88
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	3	0.88
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	16	0.88
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	3	0.88
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	20	0.88
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	9	0.88
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	4	0.88
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	4	0.88
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	4	0.88
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	9	0.88
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	9	0.88
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	9	0.88
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	9	0.88
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	9	0.88
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	9	0.88
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	9	0.88
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	9	0.88
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	9	0.88
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	8	0.88
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	8	0.88
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	8	0.88
(2,691)	1:73:A:LEU:HD21	1:118:A:PHE:HB2	4	0.88
(2,691)	1:73:A:LEU:HD22	1:118:A:PHE:HB2	4	0.88
(2,691)	1:73:A:LEU:HD23	1:118:A:PHE:HB2	4	0.88
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	10	0.88
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	10	0.88
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	10	0.88
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	12	0.88
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	12	0.88
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	12	0.88
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	9	0.88
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	9	0.88
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	9	0.88
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	19	0.88
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	19	0.88
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	19	0.88
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	18	0.88
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	18	0.88
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	18	0.88
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	11	0.88
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	13	0.88
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	17	0.88
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	8	0.88
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	8	0.88
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	8	0.88
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	17	0.88
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	12	0.88
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	15	0.88
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	18	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	3	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	4	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	8	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	9	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	16	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	17	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	19	0.88
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	20	0.88
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	8	0.88
(2,540)	1:66:A:LEU:HA	1:66:A:LEU:HB3	7	0.88
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	4	0.88
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	13	0.88
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	6	0.88
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	11	0.88
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	11	0.88
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	11	0.88
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	9	0.88
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	14	0.88
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	4	0.88
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	3	0.88
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	3	0.88
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	3	0.88
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	4	0.88
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	9	0.88
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	14	0.88
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	20	0.88
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	18	0.88
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	18	0.88
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	18	0.88
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	9	0.88
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	13	0.88
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	18	0.88
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	20	0.88
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	6	0.88
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	14	0.88
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	1	0.88
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	9	0.88
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	20	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	2	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	2	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	7	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	7	0.88
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	7	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	8	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	8	0.88
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	8	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	9	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	9	0.88
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	9	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	11	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	11	0.88
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	11	0.88
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	14	0.88
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	14	0.88
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	14	0.88
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	15	0.88
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	13	0.88
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	1	0.88
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	7	0.88
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	6	0.88
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	17	0.88
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	2	0.88
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	2	0.88
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	2	0.88
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	4	0.88
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	4	0.88
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	4	0.88
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	20	0.88
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	20	0.88
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	20	0.88
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	13	0.88
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	7	0.88
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	7	0.88
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	7	0.88
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	7	0.88
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	4	0.88
(2,228)	1:43:A:GLU:HB3	1:43:A:GLU:H	18	0.88
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	12	0.88
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	12	0.88
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	12	0.88
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	10	0.88
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	7	0.88
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	10	0.88
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	13	0.88
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	14	0.88
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	2	0.88
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	11	0.88
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	5	0.88
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	5	0.88
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	5	0.88
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	14	0.88
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	14	0.88
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	14	0.88
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	16	0.88
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	16	0.88
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	16	0.88
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	16	0.88
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	16	0.88
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	16	0.88
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	16	0.88
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	16	0.88
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	16	0.88
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD11	13	0.88
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD12	13	0.88
(2,107)	1:27:A:ILE:HB	1:27:A:ILE:HD13	13	0.88
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	18	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	6	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	6	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	6	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	17	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	17	0.88
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	17	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	2	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	2	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	2	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	7	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	7	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	7	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	18	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	18	0.88
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	18	0.88
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	8	0.88
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	12	0.88
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	18	0.88
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	11	0.88
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	11	0.88
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	11	0.88
(2,80)	1:26:A:LEU:HA	1:50:A:LEU:H	17	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	1	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	1	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	1	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	0.88
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	0.88
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	3	0.88
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	3	0.88
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	3	0.88
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	5	0.88
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	10	0.88
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	10	0.88
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	10	0.88
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	13	0.88
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	13	0.88
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	13	0.88
(2,12)	1:23:A:LEU:HD11	1:23:A:LEU:HG	20	0.88
(2,12)	1:23:A:LEU:HD12	1:23:A:LEU:HG	20	0.88
(2,12)	1:23:A:LEU:HD13	1:23:A:LEU:HG	20	0.88
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	13	0.88
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	18	0.88
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	18	0.88
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	18	0.88
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	6	0.88
(1,1588)	1:34:A:LEU:H	1:29:A:SER:HB2	3	0.88
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	10	0.88
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	10	0.88
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	10	0.88
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	9	0.88
(1,877)	1:103:A:ARG:HG2	1:114:A:TRP:HB2	18	0.88
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	11	0.88
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	5	0.87
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	5	0.87
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	5	0.87
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	19	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	19	0.87
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	19	0.87
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	9	0.87
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	9	0.87
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	9	0.87
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	18	0.87
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	18	0.87
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	18	0.87
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	20	0.87
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	20	0.87
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	20	0.87
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	15	0.87
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	15	0.87
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	15	0.87
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	15	0.87
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	17	0.87
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	2	0.87
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	2	0.87
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	2	0.87
(2,2521)	1:82:A:ALA:H	1:81:A:ASP:HB3	9	0.87
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	17	0.87
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	12	0.87
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	12	0.87
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	12	0.87
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	7	0.87
(2,2383)	1:63:A:LEU:HD11	1:64:A:LYS:H	17	0.87
(2,2383)	1:63:A:LEU:HD12	1:64:A:LYS:H	17	0.87
(2,2383)	1:63:A:LEU:HD13	1:64:A:LYS:H	17	0.87
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	6	0.87
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	6	0.87
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	8	0.87
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	10	0.87
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	9	0.87
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	20	0.87
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	2	0.87
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	2	0.87
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	2	0.87
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	16	0.87
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	16	0.87
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	16	0.87
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	20	0.87
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	20	0.87
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	2	0.87
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	2	0.87
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	2	0.87
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	19	0.87
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	19	0.87
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	19	0.87
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	14	0.87
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	6	0.87
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	4	0.87
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	7	0.87
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	7	0.87
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	19	0.87
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	7	0.87
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	20	0.87
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	19	0.87
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	6	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	4	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	7	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	8	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	12	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	13	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	15	0.87
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	17	0.87
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	11	0.87
(2,1518)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	20	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	4	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	7	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	9	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	10	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	12	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	13	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	16	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	17	0.87
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	19	0.87
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	6	0.87
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	17	0.87
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	7	0.87
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	7	0.87
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	7	0.87
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	16	0.87
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	10	0.87
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	10	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	1	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	1	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	1	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	12	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	12	0.87
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	12	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	1	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	1	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	1	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	6	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	6	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	6	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	8	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	8	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	8	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	15	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	15	0.87
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	15	0.87
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	17	0.87
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	17	0.87
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	17	0.87
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	10	0.87
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	20	0.87
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	1	0.87
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	1	0.87
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	1	0.87
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	8	0.87
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	18	0.87
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD11	10	0.87
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD12	10	0.87
(2,1377)	1:38:A:ALA:HA	1:115:A:ILE:HD13	10	0.87
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	4	0.87
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	7	0.87
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	10	0.87
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	10	0.87
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	10	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	10	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	10	0.87
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	10	0.87
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	10	0.87
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	10	0.87
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	6	0.87
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	6	0.87
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	6	0.87
(2,1284)	1:110:A:GLU:HB3	1:110:A:GLU:HA	18	0.87
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	2	0.87
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	11	0.87
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	15	0.87
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	17	0.87
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	18	0.87
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	19	0.87
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	11	0.87
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	11	0.87
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	11	0.87
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	13	0.87
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	13	0.87
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	13	0.87
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	5	0.87
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	11	0.87
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	12	0.87
(2,1119)	1:102:A:ILE:HA	1:102:A:ILE:HG13	18	0.87
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	2	0.87
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	6	0.87
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	11	0.87
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	15	0.87
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	15	0.87
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	15	0.87
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	1	0.87
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	1	0.87
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	1	0.87
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	7	0.87
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	4	0.87
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	5	0.87
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	5	0.87
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	5	0.87
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	5	0.87
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	5	0.87
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	5	0.87
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	10	0.87
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	8	0.87
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	20	0.87
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	1	0.87
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	20	0.87
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	19	0.87
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	19	0.87
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	19	0.87
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	19	0.87
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	19	0.87
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	19	0.87
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	19	0.87
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	19	0.87
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	19	0.87
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	19	0.87
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	18	0.87
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	16	0.87
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	15	0.87
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	8	0.87
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	8	0.87
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	8	0.87
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	8	0.87
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	8	0.87
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	8	0.87
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	8	0.87
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	8	0.87
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	8	0.87
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	19	0.87
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	9	0.87
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	9	0.87
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	9	0.87
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	1	0.87
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	1	0.87
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	1	0.87
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	8	0.87
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	8	0.87
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	8	0.87
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	10	0.87
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	10	0.87
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	10	0.87
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	12	0.87
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	12	0.87
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	12	0.87
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	18	0.87
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	18	0.87
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	13	0.87
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	13	0.87
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	13	0.87
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	18	0.87
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	18	0.87
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	18	0.87
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	6	0.87
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	6	0.87
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	6	0.87
(2,671)	1:72:A:ILE:HG21	1:72:A:ILE:HA	7	0.87
(2,671)	1:72:A:ILE:HG22	1:72:A:ILE:HA	7	0.87
(2,671)	1:72:A:ILE:HG23	1:72:A:ILE:HA	7	0.87
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	3	0.87
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	3	0.87
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	3	0.87
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	11	0.87
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	11	0.87
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	11	0.87
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	8	0.87
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	8	0.87
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	8	0.87
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	2	0.87
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	5	0.87
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	9	0.87
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	16	0.87
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	4	0.87
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	4	0.87
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	4	0.87
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	9	0.87
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	9	0.87
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	9	0.87
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	17	0.87
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	17	0.87
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	17	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	1	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	5	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	6	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	10	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	12	0.87
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:67:A:GLY:HA3	1:67:A:GLY:H	18	0.87
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	14	0.87
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	8	0.87
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	18	0.87
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	20	0.87
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	11	0.87
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	11	0.87
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	11	0.87
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	8	0.87
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	14	0.87
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	18	0.87
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG21	17	0.87
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG22	17	0.87
(2,492)	1:62:A:ILE:HA	1:62:A:ILE:HG23	17	0.87
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	17	0.87
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	9	0.87
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	2	0.87
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	4	0.87
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	11	0.87
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	14	0.87
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	19	0.87
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	15	0.87
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	15	0.87
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	15	0.87
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	9	0.87
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	3	0.87
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	10	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	1	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	1	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	1	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	3	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	3	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	3	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	4	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	4	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	4	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	5	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	5	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	5	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	6	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	6	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	10	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	10	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	10	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	12	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	12	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	12	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	13	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	13	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	13	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	15	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	15	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	15	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	16	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	16	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	16	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	17	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	17	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	17	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	18	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	18	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	18	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	19	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	19	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	19	0.87
(2,373)	1:50:A:LEU:HD21	1:50:A:LEU:HG	20	0.87
(2,373)	1:50:A:LEU:HD22	1:50:A:LEU:HG	20	0.87
(2,373)	1:50:A:LEU:HD23	1:50:A:LEU:HG	20	0.87
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	5	0.87
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	2	0.87
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	6	0.87
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	2	0.87
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	2	0.87
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	2	0.87
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	2	0.87
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	2	0.87
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	2	0.87
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	2	0.87
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	2	0.87
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	2	0.87
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	9	0.87
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	9	0.87
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	9	0.87
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	9	0.87
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	9	0.87
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	9	0.87
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	9	0.87
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	9	0.87
(2,342)	1:49:A:LEU:HD21	1:49:A:LEU:HB3	12	0.87
(2,342)	1:49:A:LEU:HD22	1:49:A:LEU:HB3	12	0.87
(2,342)	1:49:A:LEU:HD23	1:49:A:LEU:HB3	12	0.87
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	6	0.87
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	6	0.87
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	6	0.87
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	7	0.87
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	9	0.87
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	18	0.87
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	13	0.87
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	13	0.87
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	13	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	5	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	5	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	5	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	6	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	6	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	6	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	11	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	11	0.87
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	11	0.87
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	6	0.87
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	6	0.87
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	6	0.87
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	16	0.87
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	16	0.87
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	16	0.87
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	13	0.87
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	13	0.87
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	13	0.87
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	13	0.87
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	13	0.87
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	13	0.87
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	13	0.87
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	13	0.87
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	11	0.87
(2,252)	1:39:A:ARG:HB3	1:39:A:ARG:H	15	0.87
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	18	0.87
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	18	0.87
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	18	0.87
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	14	0.87
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	14	0.87
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	14	0.87
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	8	0.87
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	8	0.87
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	8	0.87
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	19	0.87
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	19	0.87
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	19	0.87
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	15	0.87
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	13	0.87
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	2	0.87
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	7	0.87
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	17	0.87
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	6	0.87
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	7	0.87
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	16	0.87
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	16	0.87
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	16	0.87
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	5	0.87
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	5	0.87
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	5	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	1	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	1	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	1	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	9	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	9	0.87
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	9	0.87
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	2	0.87
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	11	0.87
(2,181)	1:34:A:LEU:HB2	1:34:A:LEU:H	6	0.87
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	3	0.87
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	17	0.87
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	4	0.87
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	4	0.87
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	3	0.87
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	10	0.87
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	18	0.87
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	20	0.87
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	13	0.87
(2,120)	1:27:A:ILE:HG21	1:27:A:ILE:H	11	0.87
(2,120)	1:27:A:ILE:HG22	1:27:A:ILE:H	11	0.87
(2,120)	1:27:A:ILE:HG23	1:27:A:ILE:H	11	0.87
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	17	0.87
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	17	0.87
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	17	0.87
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	3	0.87
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	8	0.87
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	13	0.87
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	13	0.87
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	13	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	8	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	8	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	8	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	9	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	9	0.87
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	9	0.87
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	15	0.87
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	13	0.87
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	13	0.87
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	13	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	11	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	11	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	11	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	16	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	16	0.87
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	16	0.87
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	8	0.87
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	8	0.87
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	8	0.87
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	2	0.87
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	2	0.87
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	2	0.87
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	16	0.87
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	12	0.87
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	12	0.87
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	12	0.87
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	3	0.87
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	3	0.87
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	3	0.87
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	3	0.87
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	3	0.87
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	3	0.87
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	3	0.87
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	3	0.87
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	13	0.87
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	13	0.87
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	13	0.87
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	9	0.87
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	9	0.87
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	9	0.87
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	3	0.87
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	2	0.87
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	10	0.87
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	5	0.87
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	5	0.87
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	5	0.87
(1,1620)	1:86:A:LYS:H	1:86:A:LYS:HD2	4	0.87
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	11	0.87
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	14	0.87
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	14	0.87
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG21	14	0.87
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG22	14	0.87
(1,334)	1:63:A:LEU:HD21	1:70:A:VAL:HG23	14	0.87
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG21	14	0.87
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG22	14	0.87
(1,334)	1:63:A:LEU:HD22	1:70:A:VAL:HG23	14	0.87
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG21	14	0.87
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG22	14	0.87
(1,334)	1:63:A:LEU:HD23	1:70:A:VAL:HG23	14	0.87
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	8	0.87
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	17	0.87
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	13	0.86
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	7	0.86
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	7	0.86
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	7	0.86
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	9	0.86
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	9	0.86
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	12	0.86
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	12	0.86
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	12	0.86
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	9	0.86
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	19	0.86
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	16	0.86
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	5	0.86
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	5	0.86
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	5	0.86
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	3	0.86
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	3	0.86
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	3	0.86
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	14	0.86
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	14	0.86
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	14	0.86
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	9	0.86
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	8	0.86
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	12	0.86
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	12	0.86
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	12	0.86
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	12	0.86
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	12	0.86
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	1	0.86
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	1	0.86
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	1	0.86
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	11	0.86
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	11	0.86
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	11	0.86
(2,2453)	1:28:A:TRP:HB3	1:77:A:GLU:H	9	0.86
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	17	0.86
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	5	0.86
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	20	0.86
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	20	0.86
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	20	0.86
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	18	0.86
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	12	0.86
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	6	0.86
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	6	0.86
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	6	0.86
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	7	0.86
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	7	0.86
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	7	0.86
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	1	0.86
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	1	0.86
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	1	0.86
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	18	0.86
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	2	0.86
(2,2106)	1:56:A:ASP:HB2	1:56:A:ASP:H	17	0.86
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	4	0.86
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	5	0.86
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	16	0.86
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	20	0.86
(2,1976)	1:39:A:ARG:HG2	1:39:A:ARG:H	4	0.86
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	1	0.86
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	4	0.86
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	17	0.86
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	10	0.86
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	20	0.86
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	2	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	1	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	3	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	5	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	6	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	9	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	10	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	16	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	18	0.86
(2,1519)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	19	0.86
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	1	0.86
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	3	0.86
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	5	0.86
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	6	0.86
(2,1517)	1:113:A:ARG:HD2	1:113:A:ARG:HG2	18	0.86
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	4	0.86
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	7	0.86
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	12	0.86
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	2	0.86
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	2	0.86
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	2	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	3	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	3	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	3	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	4	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	4	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	17	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	17	0.86
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	17	0.86
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	3	0.86
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	3	0.86
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	3	0.86
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	2	0.86
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	19	0.86
(2,1422)	1:118:A:PHE:HB3	1:118:A:PHE:H	7	0.86
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	1	0.86
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	7	0.86
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	7	0.86
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	7	0.86
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	14	0.86
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	14	0.86
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	14	0.86
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	12	0.86
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	20	0.86
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	5	0.86
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	7	0.86
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	7	0.86
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	7	0.86
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	5	0.86
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	2	0.86
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	7	0.86
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	10	0.86
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	5	0.86
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	5	0.86
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	5	0.86
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	14	0.86
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	14	0.86
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	14	0.86
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	20	0.86
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	20	0.86
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	20	0.86
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	5	0.86
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	11	0.86
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	12	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	1	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	1	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	2	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	2	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	2	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	3	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	3	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	3	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	4	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	4	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	4	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	5	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	5	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	5	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	6	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	6	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	6	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	7	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	7	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	7	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	8	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	8	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	8	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	9	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	9	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	9	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	10	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	10	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	10	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	12	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	12	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	12	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	14	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	14	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	14	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	15	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	15	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	15	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	16	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	16	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	16	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	17	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	17	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	18	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	18	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	18	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	19	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	19	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	19	0.86
(2,1187)	1:105:A:VAL:HG11	1:105:A:VAL:HB	20	0.86
(2,1187)	1:105:A:VAL:HG12	1:105:A:VAL:HB	20	0.86
(2,1187)	1:105:A:VAL:HG13	1:105:A:VAL:HB	20	0.86
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	15	0.86
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	13	0.86
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	16	0.86
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	16	0.86
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	16	0.86
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	7	0.86
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	7	0.86
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	7	0.86
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	17	0.86
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	17	0.86
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	17	0.86
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	13	0.86
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	17	0.86
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	19	0.86
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	13	0.86
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	13	0.86
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	13	0.86
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	5	0.86
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	6	0.86
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	7	0.86
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	13	0.86
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	19	0.86
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	9	0.86
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	18	0.86
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	4	0.86
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	4	0.86
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	4	0.86
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	9	0.86
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	9	0.86
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	9	0.86
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	11	0.86
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	6	0.86
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	4	0.86
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	1	0.86
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	15	0.86
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	3	0.86
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	20	0.86
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	9	0.86
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	9	0.86
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	9	0.86
(2,807)	1:36:A:GLU:HG3	1:36:A:GLU:H	15	0.86
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	9	0.86
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	8	0.86
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	8	0.86
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	8	0.86
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	17	0.86
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	17	0.86
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	17	0.86
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	7	0.86
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	7	0.86
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	7	0.86
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	4	0.86
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	16	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	1	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	1	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	1	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	5	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	5	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	5	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	18	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	18	0.86
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	18	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	2	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	2	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	2	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	3	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	3	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	3	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	4	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	4	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	4	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	5	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	5	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	6	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	6	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	6	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	7	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	7	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	7	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	9	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	9	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	9	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	11	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	11	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	11	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	13	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	13	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	13	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	14	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	14	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	14	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	15	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	15	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	15	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	16	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	16	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	16	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	17	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	17	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	17	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	19	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	19	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	19	0.86
(2,709)	1:73:A:LEU:HD11	1:73:A:LEU:HG	20	0.86
(2,709)	1:73:A:LEU:HD12	1:73:A:LEU:HG	20	0.86
(2,709)	1:73:A:LEU:HD13	1:73:A:LEU:HG	20	0.86
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	10	0.86
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	10	0.86
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	10	0.86
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	10	0.86
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	10	0.86
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	10	0.86
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	10	0.86
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	10	0.86
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	5	0.86
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	5	0.86
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	5	0.86
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	5	0.86
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	5	0.86
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	5	0.86
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	7	0.86
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	7	0.86
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	7	0.86
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	1	0.86
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	1	0.86
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	1	0.86
(2,663)	1:72:A:ILE:HG12	1:72:A:ILE:HA	14	0.86
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	6	0.86
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	6	0.86
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	6	0.86
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	7	0.86
(2,650)	1:24:A:LEU:HB2	1:72:A:ILE:HA	18	0.86
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	7	0.86
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	7	0.86
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	7	0.86
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	7	0.86
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	6	0.86
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	6	0.86
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	6	0.86
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	6	0.86
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	6	0.86
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	6	0.86
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	6	0.86
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	6	0.86
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	6	0.86
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	1	0.86
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	1	0.86
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	1	0.86
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	18	0.86
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	2	0.86
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	5	0.86
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	15	0.86
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	2	0.86
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	2	0.86
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	13	0.86
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	16	0.86
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	1	0.86
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	8	0.86
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	15	0.86
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	19	0.86
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	20	0.86
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	9	0.86
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	11	0.86
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	16	0.86
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	17	0.86
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	11	0.86
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	13	0.86
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	10	0.86
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	1	0.86
(2,410)	1:53:A:GLU:HA	1:53:A:GLU:HB2	3	0.86
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	14	0.86
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	14	0.86
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	14	0.86
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	14	0.86
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	14	0.86
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	14	0.86
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	14	0.86
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	14	0.86
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	14	0.86
(2,387)	1:78:A:ASP:HA	1:79:A:THR:H	2	0.86
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	3	0.86
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	16	0.86
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	16	0.86
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	16	0.86
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	11	0.86
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	11	0.86
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	11	0.86
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	17	0.86
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	15	0.86
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	15	0.86
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	15	0.86
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	3	0.86
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	3	0.86
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	3	0.86
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	6	0.86
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	9	0.86
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	11	0.86
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	12	0.86
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	3	0.86
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	3	0.86
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	3	0.86
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	1	0.86
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	9	0.86
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	18	0.86
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	10	0.86
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	10	0.86
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	10	0.86
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	5	0.86
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	20	0.86
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	17	0.86
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	17	0.86
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	17	0.86
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	3	0.86
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	12	0.86
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	8	0.86
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	14	0.86
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	16	0.86
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	19	0.86
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	4	0.86
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	4	0.86
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	4	0.86
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	4	0.86
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	4	0.86
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	4	0.86
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	4	0.86
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	4	0.86
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	4	0.86
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	2	0.86
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	9	0.86
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	20	0.86
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	7	0.86
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	7	0.86
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	7	0.86
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	7	0.86
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	7	0.86
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	7	0.86
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	7	0.86
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	7	0.86
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	6	0.86
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	13	0.86
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	17	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	2	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	2	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	2	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	7	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	7	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	7	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	18	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	18	0.86
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	18	0.86
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	14	0.86
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	12	0.86
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	12	0.86
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	12	0.86
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	14	0.86
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	17	0.86
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	17	0.86
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	17	0.86
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	17	0.86
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	17	0.86
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	17	0.86
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	17	0.86
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	17	0.86
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	17	0.86
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	14	0.86
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	14	0.86
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	14	0.86
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	16	0.86
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	16	0.86
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	16	0.86
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	17	0.86
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	17	0.86
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	17	0.86
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	4	0.86
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	5	0.86
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	9	0.86
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	16	0.86
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	1	0.86
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	1	0.86
(1,805)	1:34:A:LEU:HG	1:108:A:PRO:HG2	7	0.86
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	7	0.86
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	20	0.86
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG21	12	0.86
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG22	12	0.86
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG23	12	0.86
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG21	12	0.86
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG22	12	0.86
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG23	12	0.86
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG21	12	0.86
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG22	12	0.86
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG23	12	0.86
(1,125)	1:35:A:ILE:HD11	1:32:A:LYS:HE2	5	0.86
(1,125)	1:35:A:ILE:HD12	1:32:A:LYS:HE2	5	0.86
(1,125)	1:35:A:ILE:HD13	1:32:A:LYS:HE2	5	0.86
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	19	0.86
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	19	0.86
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	19	0.86
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	9	0.85
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	18	0.85
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	12	0.85
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	3	0.85
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	3	0.85
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	3	0.85
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	20	0.85
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	20	0.85
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	20	0.85
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	7	0.85
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	20	0.85
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	2	0.85
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	6	0.85
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	6	0.85
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	6	0.85
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	7	0.85
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	7	0.85
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	7	0.85
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	19	0.85
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	19	0.85
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	19	0.85
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	20	0.85
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	20	0.85
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	15	0.85
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	8	0.85
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	10	0.85
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	10	0.85
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	3	0.85
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	11	0.85
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	11	0.85
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	11	0.85
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	19	0.85
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	18	0.85
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	18	0.85
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	18	0.85
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	7	0.85
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	8	0.85
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	10	0.85
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	7	0.85
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	8	0.85
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	8	0.85
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	8	0.85
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	10	0.85
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	10	0.85
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	10	0.85
(2,2154)	1:27:A:ILE:HG13	1:28:A:TRP:H	14	0.85
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	13	0.85
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	14	0.85
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	18	0.85
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	8	0.85
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	8	0.85
(2,1866)	1:101:A:ARG:H	1:101:A:ARG:HG2	12	0.85
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	8	0.85
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	9	0.85
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	13	0.85
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	9	0.85
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	6	0.85
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	3	0.85
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	2	0.85
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	3	0.85
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	4	0.85
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	16	0.85
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	7	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	7	0.85
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	7	0.85
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	7	0.85
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	7	0.85
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	7	0.85
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	7	0.85
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	7	0.85
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	7	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	7	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	7	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	7	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	19	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	19	0.85
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	19	0.85
(2,1432)	1:119:A:SER:H	1:119:A:SER:HB2	10	0.85
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	14	0.85
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	14	0.85
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	14	0.85
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	19	0.85
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	19	0.85
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	19	0.85
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	15	0.85
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	3	0.85
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	3	0.85
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	3	0.85
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	3	0.85
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	3	0.85
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	3	0.85
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	3	0.85
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	3	0.85
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	3	0.85
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	3	0.85
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	13	0.85
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	18	0.85
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	15	0.85
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	11	0.85
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	11	0.85
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	11	0.85
(2,1197)	1:105:A:VAL:HB	1:106:A:THR:H	7	0.85
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	1	0.85
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	2	0.85
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	6	0.85
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	11	0.85
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	11	0.85
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	11	0.85
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	7	0.85
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	20	0.85
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	3	0.85
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	7	0.85
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	14	0.85
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	15	0.85
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	20	0.85
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	7	0.85
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	14	0.85
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	8	0.85
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	4	0.85
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	7	0.85
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	15	0.85
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	6	0.85
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	8	0.85
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	18	0.85
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	4	0.85
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	15	0.85
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	15	0.85
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	15	0.85
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	17	0.85
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	1	0.85
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	14	0.85
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	16	0.85
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	20	0.85
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	20	0.85
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	20	0.85
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	19	0.85
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	19	0.85
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	19	0.85
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	8	0.85
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	14	0.85
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	10	0.85
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	10	0.85
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	10	0.85
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	5	0.85
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	5	0.85
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	3	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	3	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	3	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	4	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	4	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	4	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	10	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	10	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	10	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	13	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	13	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	13	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	15	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	15	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	15	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	17	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	17	0.85
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	17	0.85
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	6	0.85
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	6	0.85
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	6	0.85
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	10	0.85
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	10	0.85
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	10	0.85
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	10	0.85
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	13	0.85
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	13	0.85
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	13	0.85
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	14	0.85
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	14	0.85
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	14	0.85
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	5	0.85
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	5	0.85
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	5	0.85
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	7	0.85
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	7	0.85
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	7	0.85
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	13	0.85
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	13	0.85
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	13	0.85
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	5	0.85
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	5	0.85
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	15	0.85
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	20	0.85
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	8	0.85
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	19	0.85
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	19	0.85
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	19	0.85
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	17	0.85
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	17	0.85
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	17	0.85
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	16	0.85
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	16	0.85
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	16	0.85
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	10	0.85
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	13	0.85
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	10	0.85
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	16	0.85
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	16	0.85
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	16	0.85
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	15	0.85
(2,533)	1:66:A:LEU:HA	1:66:A:LEU:HB2	12	0.85
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	12	0.85
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	20	0.85
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	13	0.85
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	4	0.85
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	11	0.85
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	15	0.85
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	5	0.85
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	17	0.85
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	7	0.85
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	13	0.85
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	12	0.85
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	16	0.85
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	19	0.85
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	2	0.85
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	5	0.85
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	11	0.85
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	7	0.85
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	16	0.85
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	7	0.85
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	18	0.85
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	18	0.85
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	12	0.85
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	12	0.85
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	12	0.85
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	9	0.85
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	9	0.85
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	9	0.85
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	17	0.85
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	17	0.85
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	17	0.85
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	17	0.85
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	17	0.85
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	17	0.85
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	17	0.85
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	17	0.85
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	17	0.85
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	4	0.85
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	14	0.85
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	13	0.85
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	10	0.85
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	13	0.85
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	1	0.85
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	1	0.85
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	1	0.85
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	2	0.85
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	2	0.85
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	2	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	2	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	2	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	2	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	5	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	5	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	5	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	8	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	8	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	8	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	10	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	10	0.85
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	10	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	5	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	5	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	19	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	19	0.85
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	19	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	4	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	4	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	4	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	10	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	10	0.85
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	10	0.85
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	4	0.85
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	4	0.85
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	4	0.85
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	1	0.85
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	15	0.85
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	15	0.85
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	15	0.85
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	5	0.85
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	14	0.85
(2,225)	1:43:A:GLU:HB2	1:43:A:GLU:H	16	0.85
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	10	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	8	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	8	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	8	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	20	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	20	0.85
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	20	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	2	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	2	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	2	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	3	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	3	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	3	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	5	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	5	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	5	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	11	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	11	0.85
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	11	0.85
(2,162)	1:65:A:SER:HB2	1:64:A:LYS:HB2	17	0.85
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	10	0.85
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	4	0.85
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	16	0.85
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	11	0.85
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	11	0.85
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	11	0.85
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	11	0.85
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	11	0.85
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	18	0.85
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	18	0.85
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	18	0.85
(2,105)	1:27:A:ILE:HA	1:28:A:TRP:H	11	0.85
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	7	0.85
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	11	0.85
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	12	0.85
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	13	0.85
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	9	0.85
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	9	0.85
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	9	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	1	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	1	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	1	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	3	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	3	0.85
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	3	0.85
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	2	0.85
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	7	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	8	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	8	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	8	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	9	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	9	0.85
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	9	0.85
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	6	0.85
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	6	0.85
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	6	0.85
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	13	0.85
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	13	0.85
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	13	0.85
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	7	0.85
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	7	0.85
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	7	0.85
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	8	0.85
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	8	0.85
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	7	0.85
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	7	0.85
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	7	0.85
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	7	0.85
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	7	0.85
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	7	0.85
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	7	0.85
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	7	0.85
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	7	0.85
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	7	0.85
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	7	0.85
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	7	0.85
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	2	0.85
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	19	0.85
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	1	0.85
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	8	0.85
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	14	0.85
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	17	0.85
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	18	0.85
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	10	0.85
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	5	0.85
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	10	0.85
(1,689)	1:74:A:VAL:HG11	1:76:A:LEU:HB2	12	0.85
(1,689)	1:74:A:VAL:HG12	1:76:A:LEU:HB2	12	0.85
(1,689)	1:74:A:VAL:HG13	1:76:A:LEU:HB2	12	0.85
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	3	0.85
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	3	0.85
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	3	0.85
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	2	0.85
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	2	0.85
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	2	0.85
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	14	0.85
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	14	0.85
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	14	0.85
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	12	0.85
(1,319)	1:62:A:ILE:H	1:62:A:ILE:HG13	3	0.85
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	17	0.85
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	20	0.84
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	20	0.84
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	20	0.84
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	3	0.84
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	3	0.84
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	15	0.84
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	15	0.84
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	15	0.84
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	10	0.84
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	18	0.84
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	4	0.84
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	4	0.84
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	4	0.84
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	15	0.84
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	15	0.84
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	15	0.84
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	5	0.84
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	8	0.84
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	8	0.84
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	16	0.84
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	18	0.84
(2,2534)	1:84:A:LYS:HB2	1:83:A:ASP:H	6	0.84
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	12	0.84
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	18	0.84
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	20	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	4	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	4	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	4	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	9	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	9	0.84
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	9	0.84
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	16	0.84
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	16	0.84
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	16	0.84
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	16	0.84
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	16	0.84
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	16	0.84
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	20	0.84
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	2	0.84
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	3	0.84
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	3	0.84
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	3	0.84
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	3	0.84
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	19	0.84
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	19	0.84
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	4	0.84
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	4	0.84
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	4	0.84
(2,2176)	1:29:A:SER:HB2	1:30:A:ASN:H	16	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	7	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	7	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	7	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	13	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	13	0.84
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	13	0.84
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	4	0.84
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	4	0.84
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	4	0.84
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	1	0.84
(2,2029)	1:58:A:LYS:H	1:58:A:LYS:HG3	12	0.84
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	11	0.84
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	1	0.84
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	19	0.84
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	1	0.84
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	19	0.84
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	18	0.84
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	20	0.84
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	20	0.84
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	20	0.84
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	5	0.84
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	6	0.84
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	1	0.84
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	1	0.84
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	1	0.84
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	1	0.84
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	1	0.84
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	1	0.84
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	1	0.84
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	1	0.84
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	1	0.84
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	1	0.84
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	19	0.84
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	13	0.84
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	14	0.84
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	18	0.84
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	6	0.84
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	6	0.84
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	6	0.84
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	15	0.84
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	15	0.84
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	15	0.84
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	3	0.84
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	3	0.84
(2,1485)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	3	0.84
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	20	0.84
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	0.84
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	0.84
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	0.84
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	10	0.84
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	6	0.84
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	11	0.84
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	5	0.84
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	3	0.84
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	3	0.84
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	3	0.84
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	19	0.84
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	19	0.84
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	19	0.84
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	19	0.84
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	19	0.84
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	19	0.84
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	19	0.84
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	19	0.84
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	19	0.84
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	13	0.84
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	13	0.84
(2,1383)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	13	0.84
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	13	0.84
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	13	0.84
(2,1383)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	13	0.84
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	13	0.84
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	13	0.84
(2,1383)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	13	0.84
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	3	0.84
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	9	0.84
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	13	0.84
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	12	0.84
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	2	0.84
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	2	0.84
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	2	0.84
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	8	0.84
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	8	0.84
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	8	0.84
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	5	0.84
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	12	0.84
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	7	0.84
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	7	0.84
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	7	0.84
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	6	0.84
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	6	0.84
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	6	0.84
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	12	0.84
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	12	0.84
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	12	0.84
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	6	0.84
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	14	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	1	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	1	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	1	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	2	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	2	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	2	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	3	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	3	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	3	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	4	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	4	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	4	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	5	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	5	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	5	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	6	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	6	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	6	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	7	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	7	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	7	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	8	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	8	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	9	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	9	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	9	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	10	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	10	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	10	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	12	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	12	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	12	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	13	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	13	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	13	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	14	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	14	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	14	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	15	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	15	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	15	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	16	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	16	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	16	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	17	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	17	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	17	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	18	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	18	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	18	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	19	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	19	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	19	0.84
(2,1188)	1:105:A:VAL:HG21	1:105:A:VAL:HB	20	0.84
(2,1188)	1:105:A:VAL:HG22	1:105:A:VAL:HB	20	0.84
(2,1188)	1:105:A:VAL:HG23	1:105:A:VAL:HB	20	0.84
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	7	0.84
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	1	0.84
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	17	0.84
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	15	0.84
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	15	0.84
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	15	0.84
(2,1078)	1:101:A:ARG:HB3	1:101:A:ARG:HA	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	3	0.84
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	1	0.84
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	7	0.84
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	10	0.84
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	18	0.84
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	14	0.84
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	2	0.84
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	2	0.84
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	2	0.84
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	20	0.84
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	3	0.84
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	11	0.84
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	18	0.84
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	4	0.84
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	2	0.84
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	19	0.84
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	1	0.84
(2,884)	1:85:A:VAL:HG21	1:84:A:LYS:H	11	0.84
(2,884)	1:85:A:VAL:HG22	1:84:A:LYS:H	11	0.84
(2,884)	1:85:A:VAL:HG23	1:84:A:LYS:H	11	0.84
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	18	0.84
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	18	0.84
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	18	0.84
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	6	0.84
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	18	0.84
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	12	0.84
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	2	0.84
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	4	0.84
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	19	0.84
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	19	0.84
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	19	0.84
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	15	0.84
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	10	0.84
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	17	0.84
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	2	0.84
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	10	0.84
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	10	0.84
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	10	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	2	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	2	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	2	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	7	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	7	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	7	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	19	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	19	0.84
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	19	0.84
(2,684)	1:73:A:LEU:HD21	1:73:A:LEU:HA	19	0.84
(2,684)	1:73:A:LEU:HD22	1:73:A:LEU:HA	19	0.84
(2,684)	1:73:A:LEU:HD23	1:73:A:LEU:HA	19	0.84
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	9	0.84
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	9	0.84
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	9	0.84
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	11	0.84
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	11	0.84
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	11	0.84
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	10	0.84
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	10	0.84
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	10	0.84
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	4	0.84
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	10	0.84
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	18	0.84
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	20	0.84
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	18	0.84
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	18	0.84
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	18	0.84
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	19	0.84
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	4	0.84
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	4	0.84
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	4	0.84
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	5	0.84
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	5	0.84
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	5	0.84
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	15	0.84
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	15	0.84
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	15	0.84
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	15	0.84
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	18	0.84
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	18	0.84
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	18	0.84
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	1	0.84
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	9	0.84
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	11	0.84
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	16	0.84
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	19	0.84
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	15	0.84
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	6	0.84
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	10	0.84
(2,449)	1:113:A:ARG:HB2	1:113:A:ARG:H	12	0.84
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	12	0.84
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	14	0.84
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	19	0.84
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	20	0.84
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	6	0.84
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	7	0.84
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	8	0.84
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	17	0.84
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	8	0.84
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	11	0.84
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	1	0.84
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	4	0.84
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	4	0.84
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	4	0.84
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	1	0.84
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	6	0.84
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	6	0.84
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	6	0.84
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	2	0.84
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	8	0.84
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	17	0.84
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	5	0.84
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	10	0.84
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	10	0.84
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	10	0.84
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	11	0.84
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	12	0.84
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	2	0.84
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	4	0.84
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	15	0.84
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	11	0.84
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	11	0.84
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	11	0.84
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	8	0.84
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	8	0.84
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	7	0.84
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	7	0.84
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	7	0.84
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	20	0.84
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	20	0.84
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	20	0.84
(2,237)	1:38:A:ALA:HB1	1:39:A:ARG:H	1	0.84
(2,237)	1:38:A:ALA:HB2	1:39:A:ARG:H	1	0.84
(2,237)	1:38:A:ALA:HB3	1:39:A:ARG:H	1	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	1	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	1	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	1	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	2	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	2	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	2	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	3	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	3	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	3	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	5	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	5	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	5	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	7	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	7	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	7	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	8	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	8	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	8	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	9	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	9	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	9	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	10	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	10	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	10	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	11	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	11	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	11	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	12	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	12	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	12	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	13	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	13	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	14	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	14	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	14	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	16	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	16	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	16	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	17	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	17	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	17	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	18	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	18	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	18	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	20	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	20	0.84
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	20	0.84
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	10	0.84
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	10	0.84
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	10	0.84
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	13	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	2	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	6	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	7	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	8	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	9	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	14	0.84
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	18	0.84
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	17	0.84
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	1	0.84
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	4	0.84
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	15	0.84
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	5	0.84
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	15	0.84
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	15	0.84
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	15	0.84
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	15	0.84
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	15	0.84
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	15	0.84
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	15	0.84
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	15	0.84
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	15	0.84
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	1	0.84
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	2	0.84
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	2	0.84
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	2	0.84
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD21	13	0.84
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD22	13	0.84
(2,99)	1:26:A:LEU:HA	1:26:A:LEU:HD23	13	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	4	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	4	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	4	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	6	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	6	0.84
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	6	0.84
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	16	0.84
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	16	0.84
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	16	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	5	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	5	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	5	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	12	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	12	0.84
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	12	0.84
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	3	0.84
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	3	0.84
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	3	0.84
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	20	0.84
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	20	0.84
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	20	0.84
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	14	0.84
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	14	0.84
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	14	0.84
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	12	0.84
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	12	0.84
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	12	0.84
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	2	0.84
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	2	0.84
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	2	0.84
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	3	0.84
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	15	0.84
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	20	0.84
(1,1620)	1:86:A:LYS:H	1:86:A:LYS:HD2	18	0.84
(1,877)	1:103:A:ARG:HG2	1:114:A:TRP:HB2	17	0.84
(1,702)	1:101:A:ARG:HA	1:101:A:ARG:HD2	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	8	0.84
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	18	0.84
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	15	0.84
(1,559)	1:85:A:VAL:HG21	1:89:A:ILE:HG12	6	0.84
(1,559)	1:85:A:VAL:HG22	1:89:A:ILE:HG12	6	0.84
(1,559)	1:85:A:VAL:HG23	1:89:A:ILE:HG12	6	0.84
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	11	0.84
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	11	0.84
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	11	0.84
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	15	0.84
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	15	0.84
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	15	0.84
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	3	0.84
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	3	0.84
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	3	0.84
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	3	0.84
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	3	0.84
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	3	0.84
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	13	0.83
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	13	0.83
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	13	0.83
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	15	0.83
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	15	0.83
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	15	0.83
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	20	0.83
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	20	0.83
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	20	0.83
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	9	0.83
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	10	0.83
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	10	0.83
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	10	0.83
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	19	0.83
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	6	0.83
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	6	0.83
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	6	0.83
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	5	0.83
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	5	0.83
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	5	0.83
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	8	0.83
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	8	0.83
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	8	0.83
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	17	0.83
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	17	0.83
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	19	0.83
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	19	0.83
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	19	0.83
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	17	0.83
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	17	0.83
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	17	0.83
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	14	0.83
(2,2435)	1:74:A:VAL:H	1:76:A:LEU:HG	20	0.83
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	4	0.83
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	4	0.83
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	18	0.83
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	18	0.83
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	18	0.83
(2,2383)	1:63:A:LEU:HD11	1:64:A:LYS:H	10	0.83
(2,2383)	1:63:A:LEU:HD12	1:64:A:LYS:H	10	0.83
(2,2383)	1:63:A:LEU:HD13	1:64:A:LYS:H	10	0.83
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	17	0.83
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	14	0.83
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	2	0.83
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	6	0.83
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	20	0.83
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	15	0.83
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	15	0.83
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	15	0.83
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	10	0.83
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	15	0.83
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	9	0.83
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	9	0.83
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	9	0.83
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	12	0.83
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	12	0.83
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	12	0.83
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	13	0.83
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	19	0.83
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	19	0.83
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	15	0.83
(2,2159)	1:27:A:ILE:HG21	1:29:A:SER:H	11	0.83
(2,2159)	1:27:A:ILE:HG22	1:29:A:SER:H	11	0.83
(2,2159)	1:27:A:ILE:HG23	1:29:A:SER:H	11	0.83
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	13	0.83
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	13	0.83
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	4	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	2	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	3	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	5	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	8	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	9	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	10	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	11	0.83
(2,1985)	1:48:A:TYR:H	1:48:A:TYR:HA	12	0.83
(2,1966)	1:116:A:LYS:H	1:116:A:LYS:HG2	12	0.83
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	4	0.83
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	10	0.83
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	10	0.83
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	10	0.83
(2,1772)	1:49:A:LEU:HG	1:49:A:LEU:H	5	0.83
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	20	0.83
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	6	0.83
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	4	0.83
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	10	0.83
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	8	0.83
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	10	0.83
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	12	0.83
(2,1537)	1:53:A:GLU:HB2	1:53:A:GLU:H	7	0.83
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	8	0.83
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	11	0.83
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	1	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	5	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	5	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	5	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	16	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	16	0.83
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	16	0.83
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	2	0.83
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	2	0.83
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	2	0.83
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	13	0.83
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	13	0.83
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	13	0.83
(2,1420)	1:118:A:PHE:HD1	1:118:A:PHE:HB2	6	0.83
(2,1420)	1:118:A:PHE:HD2	1:118:A:PHE:HB2	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1418)	1:118:A:PHE:HA	1:118:A:PHE:HB3	7	0.83
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	15	0.83
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	15	0.83
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	15	0.83
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	15	0.83
(2,1386)	1:115:A:ILE:HG13	1:115:A:ILE:HA	17	0.83
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	8	0.83
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	8	0.83
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	8	0.83
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	8	0.83
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	8	0.83
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	8	0.83
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	8	0.83
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	8	0.83
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	8	0.83
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	5	0.83
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	5	0.83
(2,1336)	1:113:A:ARG:HB3	1:110:A:GLU:HA	6	0.83
(2,1268)	1:109:A:ASP:HB2	1:110:A:GLU:H	15	0.83
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	7	0.83
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	13	0.83
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	10	0.83
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	14	0.83
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	20	0.83
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	3	0.83
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	18	0.83
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	19	0.83
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	6	0.83
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	1	0.83
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	1	0.83
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	1	0.83
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	13	0.83
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	13	0.83
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	13	0.83
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	17	0.83
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	17	0.83
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	17	0.83
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	8	0.83
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	16	0.83
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	12	0.83
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	13	0.83
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	6	0.83
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	11	0.83
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	13	0.83
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	19	0.83
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	12	0.83
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	4	0.83
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	8	0.83
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	17	0.83
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	14	0.83
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	14	0.83
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	14	0.83
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	16	0.83
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	16	0.83
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	16	0.83
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	2	0.83
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	14	0.83
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	14	0.83
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	18	0.83
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	3	0.83
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	10	0.83
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	19	0.83
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	5	0.83
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	8	0.83
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	14	0.83
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	3	0.83
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	16	0.83
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	8	0.83
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	12	0.83
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	14	0.83
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	15	0.83
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	1	0.83
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	14	0.83
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	14	0.83
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	14	0.83
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	5	0.83
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	11	0.83
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	12	0.83
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	12	0.83
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	12	0.83
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	3	0.83
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	3	0.83
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	13	0.83
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	13	0.83
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	13	0.83
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	13	0.83
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	13	0.83
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	13	0.83
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	4	0.83
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	4	0.83
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	4	0.83
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	15	0.83
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	15	0.83
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	15	0.83
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	5	0.83
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	5	0.83
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	5	0.83
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	7	0.83
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	7	0.83
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	7	0.83
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	17	0.83
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	17	0.83
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	17	0.83
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	12	0.83
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	12	0.83
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	12	0.83
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	17	0.83
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	17	0.83
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	17	0.83
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	9	0.83
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	13	0.83
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	16	0.83
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	20	0.83
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	11	0.83
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	10	0.83
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	9	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	1	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	2	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	3	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	6	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	8	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	11	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	14	0.83
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	19	0.83
(2,626)	1:70:A:VAL:HG11	1:71:A:LYS:H	10	0.83
(2,626)	1:70:A:VAL:HG12	1:71:A:LYS:H	10	0.83
(2,626)	1:70:A:VAL:HG13	1:71:A:LYS:H	10	0.83
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	6	0.83
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	18	0.83
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	18	0.83
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	18	0.83
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	20	0.83
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	20	0.83
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	20	0.83
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	10	0.83
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	10	0.83
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	10	0.83
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	5	0.83
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	13	0.83
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	14	0.83
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	16	0.83
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	18	0.83
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	10	0.83
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	19	0.83
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	12	0.83
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	5	0.83
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	2	0.83
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	2	0.83
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	5	0.83
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	7	0.83
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	11	0.83
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	1	0.83
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	2	0.83
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	4	0.83
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	8	0.83
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	20	0.83
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	9	0.83
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	9	0.83
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	9	0.83
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	20	0.83
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	1	0.83
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	1	0.83
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	1	0.83
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	20	0.83
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	20	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	20	0.83
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	15	0.83
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	5	0.83
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	2	0.83
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	5	0.83
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	18	0.83
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	9	0.83
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	19	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	7	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	7	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	7	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	12	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	12	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	12	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	14	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	14	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	14	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	18	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	18	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	18	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	19	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	19	0.83
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	19	0.83
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	10	0.83
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	10	0.83
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	10	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	1	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	1	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	1	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	14	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	14	0.83
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	14	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	18	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	18	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	18	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	20	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	20	0.83
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	20	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	4	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	4	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	4	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	6	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	6	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	15	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	15	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	15	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG21	19	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG22	19	0.83
(2,219)	1:35:A:ILE:HB	1:35:A:ILE:HG23	19	0.83
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	20	0.83
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	20	0.83
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	20	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	1	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	1	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	1	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	9	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	9	0.83
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	9	0.83
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	3	0.83
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	3	0.83
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	3	0.83
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	20	0.83
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	20	0.83
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	20	0.83
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	4	0.83
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	14	0.83
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	15	0.83
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	1	0.83
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	2	0.83
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	10	0.83
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	15	0.83
(2,149)	1:32:A:LYS:HA	1:32:A:LYS:H	20	0.83
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	19	0.83
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	5	0.83
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	17	0.83
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	12	0.83
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	12	0.83
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	12	0.83
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	20	0.83
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	20	0.83
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	20	0.83
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	20	0.83
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	20	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	20	0.83
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	10	0.83
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	15	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	10	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	10	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	10	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	12	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	12	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	12	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	15	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	15	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	15	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	17	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	17	0.83
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	17	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	1	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	1	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	1	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	3	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	3	0.83
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	3	0.83
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	14	0.83
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	14	0.83
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	14	0.83
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	3	0.83
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	3	0.83
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	3	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	4	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	4	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	4	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	6	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	6	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	6	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	10	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	10	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	10	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	11	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	11	0.83
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	11	0.83
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	10	0.83
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	10	0.83
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	10	0.83
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	10	0.83
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	10	0.83
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	10	0.83
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	10	0.83
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	10	0.83
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	3	0.83
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	3	0.83
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	3	0.83
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	7	0.83
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	7	0.83
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	7	0.83
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	8	0.83
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	8	0.83
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	8	0.83
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	12	0.83
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	19	0.83
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	4	0.83
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD21	6	0.83
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD22	6	0.83
(1,1334)	1:40:A:LYS:H	1:49:A:LEU:HD23	6	0.83
(1,695)	1:101:A:ARG:HB2	1:73:A:LEU:HA	4	0.83
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	14	0.83
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD21	18	0.83
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD22	18	0.83
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD23	18	0.83
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	12	0.83
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	20	0.82
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	11	0.82
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	18	0.82
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	18	0.82
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	18	0.82
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	8	0.82
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	11	0.82
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	20	0.82
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	13	0.82
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	13	0.82
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	13	0.82
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	8	0.82
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	8	0.82
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	8	0.82
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	4	0.82
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	8	0.82
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	8	0.82
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	8	0.82
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	18	0.82
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	18	0.82
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	18	0.82
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	9	0.82
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	9	0.82
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	9	0.82
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	20	0.82
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	17	0.82
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	19	0.82
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	4	0.82
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	1	0.82
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	4	0.82
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	16	0.82
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	16	0.82
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	16	0.82
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	16	0.82
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	16	0.82
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	16	0.82
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	3	0.82
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	7	0.82
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	7	0.82
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	7	0.82
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	12	0.82
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	12	0.82
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	12	0.82
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	2	0.82
(2,2353)	1:52:A:LEU:HG	1:53:A:GLU:H	8	0.82
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	17	0.82
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	17	0.82
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	17	0.82
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	18	0.82
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	14	0.82
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	14	0.82
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	14	0.82
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	20	0.82
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	20	0.82
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	20	0.82
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	9	0.82
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	9	0.82
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	8	0.82
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	1	0.82
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	2	0.82
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	13	0.82
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	13	0.82
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	20	0.82
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	6	0.82
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	6	0.82
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	3	0.82
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	3	0.82
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	3	0.82
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	7	0.82
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	4	0.82
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	4	0.82
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	4	0.82
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	20	0.82
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	15	0.82
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	17	0.82
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	9	0.82
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	11	0.82
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	9	0.82
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	15	0.82
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	18	0.82
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	12	0.82
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	5	0.82
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	8	0.82
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	16	0.82
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	8	0.82
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	19	0.82
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	2	0.82
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	2	0.82
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	2	0.82
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	2	0.82
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	2	0.82
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	2	0.82
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	2	0.82
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	2	0.82
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	2	0.82
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	10	0.82
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	12	0.82
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	11	0.82
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	16	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	2	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	3	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	5	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	8	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	9	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	10	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	12	0.82
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	19	0.82
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	4	0.82
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	4	0.82
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	4	0.82
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	4	0.82
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	4	0.82
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	4	0.82
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	4	0.82
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	4	0.82
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	4	0.82
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	11	0.82
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	11	0.82
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	11	0.82
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	15	0.82
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	15	0.82
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	15	0.82
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	7	0.82
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	7	0.82
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	7	0.82
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	13	0.82
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	13	0.82
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	13	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	3	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	3	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	3	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	7	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	7	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	7	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	18	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	18	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	18	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	19	0.82
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	19	0.82
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	14	0.82
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	14	0.82
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	14	0.82
(2,1421)	1:118:A:PHE:HB2	1:118:A:PHE:H	7	0.82
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	14	0.82
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	14	0.82
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	17	0.82
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	9	0.82
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	16	0.82
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	19	0.82
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	1	0.82
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	2	0.82
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	5	0.82
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	10	0.82
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	11	0.82
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	11	0.82
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	11	0.82
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	11	0.82
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	11	0.82
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	11	0.82
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	11	0.82
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	11	0.82
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	11	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	1	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	1	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	1	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	2	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	2	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	2	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	3	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	3	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	3	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	4	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	4	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	4	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	5	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	5	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	5	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	6	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	6	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	7	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	7	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	7	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	8	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	8	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	8	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	9	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	9	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	9	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	10	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	10	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	10	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	11	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	11	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	11	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	12	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	12	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	12	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	13	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	13	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	13	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	14	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	14	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	14	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	15	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	15	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	15	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	16	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	16	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	16	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	17	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	17	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	17	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	18	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	18	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	18	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	19	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	19	0.82
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	19	0.82
(2,1306)	1:111:A:ALA:HB1	1:111:A:ALA:HA	20	0.82
(2,1306)	1:111:A:ALA:HB2	1:111:A:ALA:HA	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1306)	1:111:A:ALA:HB3	1:111:A:ALA:HA	20	0.82
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	11	0.82
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	11	0.82
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	11	0.82
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	9	0.82
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	9	0.82
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	9	0.82
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	13	0.82
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	13	0.82
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	13	0.82
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	18	0.82
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	6	0.82
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	6	0.82
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	6	0.82
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	20	0.82
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	8	0.82
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	14	0.82
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	1	0.82
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	6	0.82
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	6	0.82
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	6	0.82
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	6	0.82
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	9	0.82
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	10	0.82
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	13	0.82
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	19	0.82
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	2	0.82
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	8	0.82
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	12	0.82
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	16	0.82
(2,1138)	1:103:A:ARG:HB2	1:103:A:ARG:HG3	20	0.82
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	2	0.82
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	2	0.82
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	2	0.82
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	3	0.82
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	3	0.82
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	3	0.82
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	9	0.82
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	9	0.82
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	9	0.82
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	19	0.82
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	19	0.82
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	10	0.82
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	10	0.82
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	10	0.82
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	4	0.82
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	10	0.82
(2,1088)	1:101:A:ARG:HB3	1:101:A:ARG:HG2	12	0.82
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	12	0.82
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	12	0.82
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	12	0.82
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	5	0.82
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	9	0.82
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	10	0.82
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	17	0.82
(2,1031)	1:99:A:PRO:HD3	1:98:A:LEU:HA	11	0.82
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	6	0.82
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	6	0.82
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	6	0.82
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	8	0.82
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	8	0.82
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	8	0.82
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	17	0.82
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	17	0.82
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	17	0.82
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	19	0.82
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	19	0.82
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	19	0.82
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	20	0.82
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	20	0.82
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	20	0.82
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	7	0.82
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	7	0.82
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	7	0.82
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	8	0.82
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	17	0.82
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	17	0.82
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	7	0.82
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	17	0.82
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	17	0.82
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	17	0.82
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	17	0.82
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	17	0.82
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	17	0.82
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	17	0.82
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	17	0.82
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	17	0.82
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	11	0.82
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	2	0.82
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	19	0.82
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	6	0.82
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	5	0.82
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	9	0.82
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	4	0.82
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	4	0.82
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	4	0.82
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	11	0.82
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	10	0.82
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	10	0.82
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	10	0.82
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	18	0.82
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	14	0.82
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	5	0.82
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	8	0.82
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	8	0.82
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	8	0.82
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	10	0.82
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	10	0.82
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	10	0.82
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	4	0.82
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	4	0.82
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	4	0.82
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	17	0.82
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	17	0.82
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	17	0.82
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	11	0.82
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	11	0.82
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	11	0.82
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	13	0.82
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	13	0.82
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	13	0.82
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	4	0.82
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	4	0.82
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	15	0.82
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	15	0.82
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	15	0.82
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	10	0.82
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	10	0.82
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	10	0.82
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	16	0.82
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	16	0.82
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	16	0.82
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	18	0.82
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	18	0.82
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	18	0.82
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	20	0.82
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	20	0.82
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	20	0.82
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	6	0.82
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	6	0.82
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	6	0.82
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	11	0.82
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	11	0.82
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	11	0.82
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	19	0.82
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	19	0.82
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	19	0.82
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	8	0.82
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	4	0.82
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	5	0.82
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	16	0.82
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	1	0.82
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	18	0.82
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	4	0.82
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	10	0.82
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	13	0.82
(2,641)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	15	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	2	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	3	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	4	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	7	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	9	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	10	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	12	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	14	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	15	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	16	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	17	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	18	0.82
(2,636)	1:71:A:LYS:HB2	1:71:A:LYS:HA	20	0.82
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	18	0.82
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	6	0.82
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	6	0.82
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	6	0.82
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	12	0.82
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	12	0.82
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	12	0.82
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	8	0.82
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	8	0.82
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	8	0.82
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	15	0.82
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	15	0.82
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	15	0.82
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	7	0.82
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	9	0.82
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	10	0.82
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	20	0.82
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	7	0.82
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	17	0.82
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	14	0.82
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	2	0.82
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	3	0.82
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	6	0.82
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	8	0.82
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	12	0.82
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	6	0.82
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	6	0.82
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	10	0.82
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	14	0.82
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	20	0.82
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	7	0.82
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	16	0.82
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	13	0.82
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	13	0.82
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	13	0.82
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	7	0.82
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	7	0.82
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	4	0.82
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	18	0.82
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	13	0.82
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	5	0.82
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	20	0.82
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	4	0.82
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	4	0.82
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	4	0.82
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	11	0.82
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	11	0.82
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	11	0.82
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	15	0.82
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	15	0.82
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	15	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	1	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	1	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	1	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	13	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	13	0.82
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	13	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	3	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	3	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	3	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	17	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	17	0.82
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	17	0.82
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	5	0.82
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	5	0.82
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	5	0.82
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	14	0.82
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	14	0.82
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	14	0.82
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	5	0.82
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	5	0.82
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	5	0.82
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	15	0.82
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	15	0.82
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	15	0.82
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	8	0.82
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	15	0.82
(2,125)	1:28:A:TRP:HA	1:29:A:SER:H	7	0.82
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	19	0.82
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	19	0.82
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	19	0.82
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	7	0.82
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	7	0.82
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	7	0.82
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	7	0.82
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	7	0.82
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	7	0.82
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	7	0.82
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	7	0.82
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	7	0.82
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	5	0.82
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	6	0.82
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	19	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	5	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	5	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	5	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	19	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	19	0.82
(2,91)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	19	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	4	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	4	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	4	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	6	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	6	0.82
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	6	0.82
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	2	0.82
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	2	0.82
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	2	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	3	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	3	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	3	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	4	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	4	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	4	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	7	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	7	0.82
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	7	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	1	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	1	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	8	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	8	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	8	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	9	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	9	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	9	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	17	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	17	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	17	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	19	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	19	0.82
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	19	0.82
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	20	0.82
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	20	0.82
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	20	0.82
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	2	0.82
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	17	0.82
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	17	0.82
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	17	0.82
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	8	0.82
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	8	0.82
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	8	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	3	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	3	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	3	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	14	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	14	0.82
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	14	0.82
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	3	0.82
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	3	0.82
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	3	0.82
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	6	0.82
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	6	0.82
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	6	0.82
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	9	0.82
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	9	0.82
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	9	0.82
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	18	0.82
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	11	0.82
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	18	0.82
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	8	0.82
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	13	0.82
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	13	0.82
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	13	0.82
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	5	0.82
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	17	0.82
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	2	0.82
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	2	0.82
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	2	0.82
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG21	20	0.82
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG22	20	0.82
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG23	20	0.82
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG21	20	0.82
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG22	20	0.82
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG23	20	0.82
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG21	20	0.82
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG22	20	0.82
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG23	20	0.82
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	9	0.81
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	9	0.81
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	9	0.81
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	2	0.81
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	2	0.81
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	2	0.81
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	11	0.81
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	11	0.81
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	11	0.81
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	6	0.81
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	6	0.81
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	6	0.81
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	3	0.81
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	3	0.81
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	3	0.81
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	3	0.81
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	13	0.81
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	13	0.81
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	13	0.81
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	20	0.81
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	20	0.81
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	20	0.81
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	8	0.81
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	8	0.81
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	8	0.81
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	13	0.81
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	6	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	2	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	2	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	2	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	8	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	8	0.81
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	8	0.81
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	19	0.81
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	19	0.81
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	19	0.81
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	9	0.81
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	9	0.81
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	9	0.81
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	6	0.81
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	6	0.81
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	6	0.81
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	8	0.81
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	8	0.81
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	8	0.81
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	17	0.81
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	7	0.81
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	16	0.81
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	19	0.81
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	18	0.81
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	18	0.81
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	18	0.81
(2,2242)	1:38:A:ALA:H	1:112:A:LYS:HG2	1	0.81
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	7	0.81
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	9	0.81
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	14	0.81
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	4	0.81
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	4	0.81
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	16	0.81
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	16	0.81
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	19	0.81
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	19	0.81
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	19	0.81
(2,2150)	1:27:A:ILE:H	1:50:A:LEU:HG	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	18	0.81
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	3	0.81
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	11	0.81
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	20	0.81
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	20	0.81
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	20	0.81
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	7	0.81
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	7	0.81
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	11	0.81
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	13	0.81
(2,1772)	1:49:A:LEU:HG	1:49:A:LEU:H	11	0.81
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	6	0.81
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	10	0.81
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	19	0.81
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	14	0.81
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	16	0.81
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	2	0.81
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	7	0.81
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	16	0.81
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	11	0.81
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	11	0.81
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	9	0.81
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	13	0.81
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	15	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	8	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	8	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	8	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	8	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	8	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	8	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	8	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	8	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	8	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	9	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	9	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	9	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	9	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	9	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	9	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	9	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	9	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	11	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	11	0.81
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	11	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	11	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	11	0.81
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	11	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	11	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	11	0.81
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	11	0.81
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	6	0.81
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	15	0.81
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	17	0.81
(2,1511)	1:48:A:TYR:H	1:48:A:TYR:HA	11	0.81
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	8	0.81
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	14	0.81
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	12	0.81
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	12	0.81
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	12	0.81
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	18	0.81
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	18	0.81
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	18	0.81
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	18	0.81
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	18	0.81
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	18	0.81
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	18	0.81
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	18	0.81
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	18	0.81
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	20	0.81
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	8	0.81
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	19	0.81
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	3	0.81
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	9	0.81
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	9	0.81
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	9	0.81
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	3	0.81
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	3	0.81
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	3	0.81
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	6	0.81
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	20	0.81
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	10	0.81
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	4	0.81
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	4	0.81
(2,1304)	1:111:A:ALA:HB1	1:112:A:LYS:H	20	0.81
(2,1304)	1:111:A:ALA:HB2	1:112:A:LYS:H	20	0.81
(2,1304)	1:111:A:ALA:HB3	1:112:A:LYS:H	20	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	5	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	5	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	5	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	8	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	8	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	8	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	10	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	10	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	10	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	11	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	11	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	11	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	12	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	12	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	12	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	14	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	14	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	14	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	15	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	15	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	15	0.81
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	16	0.81
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	16	0.81
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	16	0.81
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	3	0.81
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	18	0.81
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	9	0.81
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	9	0.81
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	9	0.81
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	12	0.81
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	12	0.81
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	12	0.81
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	18	0.81
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	18	0.81
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	18	0.81
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	8	0.81
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	8	0.81
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	15	0.81
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	15	0.81
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	15	0.81
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	20	0.81
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	20	0.81
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	20	0.81
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	4	0.81
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	12	0.81
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	2	0.81
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	4	0.81
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	13	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	5	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	5	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	5	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	6	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	6	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	6	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	7	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	7	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	7	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	8	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	8	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	8	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	10	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	10	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	10	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	12	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	12	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	12	0.81
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	15	0.81
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	15	0.81
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	15	0.81
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	2	0.81
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	2	0.81
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	2	0.81
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	18	0.81
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	18	0.81
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	18	0.81
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	7	0.81
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	17	0.81
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	17	0.81
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	2	0.81
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	2	0.81
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	2	0.81
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	4	0.81
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	8	0.81
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	3	0.81
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	12	0.81
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	15	0.81
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	16	0.81
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	3	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	1	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	1	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	1	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	2	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	2	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	2	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	3	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	3	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	3	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	4	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	4	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	4	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	5	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	5	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	5	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	7	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	7	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	7	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	9	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	9	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	9	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	10	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	10	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	10	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	11	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	11	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	11	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	12	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	12	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	12	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	13	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	13	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	14	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	14	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	14	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	15	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	15	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	15	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	16	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	16	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	16	0.81
(2,1011)	1:98:A:LEU:HD21	1:98:A:LEU:HG	18	0.81
(2,1011)	1:98:A:LEU:HD22	1:98:A:LEU:HG	18	0.81
(2,1011)	1:98:A:LEU:HD23	1:98:A:LEU:HG	18	0.81
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	1	0.81
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	1	0.81
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	10	0.81
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	5	0.81
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	6	0.81
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	16	0.81
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	17	0.81
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	19	0.81
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	18	0.81
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	20	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	1	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	1	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	1	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	2	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	2	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	2	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	4	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	4	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	4	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	8	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	8	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	8	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	9	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	9	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	9	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	10	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	10	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	10	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	12	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	12	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	13	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	13	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	13	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	14	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	14	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	14	0.81
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	15	0.81
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	15	0.81
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	15	0.81
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	5	0.81
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	5	0.81
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	5	0.81
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	2	0.81
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	4	0.81
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	5	0.81
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	9	0.81
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	17	0.81
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	20	0.81
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	20	0.81
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	20	0.81
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	13	0.81
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	13	0.81
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	13	0.81
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	3	0.81
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	3	0.81
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	3	0.81
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	5	0.81
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	5	0.81
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	5	0.81
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	2	0.81
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	2	0.81
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	2	0.81
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	2	0.81
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	2	0.81
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	2	0.81
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	7	0.81
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	7	0.81
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	7	0.81
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	1	0.81
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	1	0.81
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	2	0.81
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	2	0.81
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	2	0.81
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	3	0.81
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	3	0.81
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	3	0.81
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	4	0.81
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	4	0.81
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	4	0.81
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	19	0.81
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	19	0.81
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	19	0.81
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	2	0.81
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	2	0.81
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	2	0.81
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	2	0.81
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	5	0.81
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	10	0.81
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	13	0.81
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	19	0.81
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	19	0.81
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	19	0.81
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	1	0.81
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	1	0.81
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	1	0.81
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	17	0.81
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	17	0.81
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	17	0.81
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	7	0.81
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	7	0.81
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	7	0.81
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	10	0.81
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	10	0.81
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	10	0.81
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	19	0.81
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	19	0.81
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	19	0.81
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	4	0.81
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	4	0.81
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	4	0.81
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	8	0.81
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	8	0.81
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	7	0.81
(2,507)	1:63:A:LEU:HB3	1:63:A:LEU:HA	19	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	2	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	2	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	2	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	6	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	6	0.81
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	6	0.81
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	3	0.81
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	9	0.81
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	10	0.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	8	0.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	8	0.81
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	8	0.81
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	3	0.81
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	15	0.81
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	12	0.81
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	18	0.81
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	19	0.81
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	3	0.81
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	7	0.81
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	7	0.81
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	7	0.81
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	18	0.81
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	18	0.81
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	18	0.81
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	18	0.81
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	18	0.81
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	18	0.81
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	18	0.81
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	18	0.81
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	18	0.81
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	9	0.81
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	9	0.81
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	9	0.81
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	5	0.81
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	7	0.81
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	14	0.81
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	1	0.81
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	3	0.81
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	5	0.81
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	20	0.81
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	6	0.81
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	6	0.81
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	6	0.81
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	19	0.81
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	19	0.81
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	19	0.81
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	17	0.81
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	17	0.81
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	17	0.81
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	11	0.81
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	1	0.81
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	1	0.81
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	1	0.81
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	12	0.81
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	12	0.81
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	12	0.81
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	20	0.81
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	20	0.81
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	20	0.81
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	5	0.81
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	8	0.81
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	14	0.81
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	11	0.81
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	11	0.81
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	11	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	2	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	2	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	2	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	10	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	10	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	10	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	18	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	18	0.81
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	18	0.81
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	20	0.81
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	18	0.81
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	10	0.81
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	10	0.81
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	12	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	7	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	7	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	7	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	17	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	17	0.81
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	17	0.81
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	8	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	8	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	8	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	8	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	9	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	9	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	9	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	19	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	19	0.81
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	19	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	13	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	13	0.81
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	13	0.81
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	12	0.81
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	18	0.81
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	13	0.81
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	11	0.81
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	19	0.81
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	1	0.81
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	8	0.81
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	17	0.81
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	17	0.81
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	17	0.81
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	17	0.81
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	17	0.81
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	17	0.81
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	17	0.81
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	17	0.81
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	17	0.81
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	4	0.81
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	4	0.81
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	4	0.81
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	19	0.81
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	19	0.81
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	19	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	10	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	10	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	10	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	12	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	12	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	12	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	15	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	15	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	15	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	17	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	17	0.81
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	17	0.81
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	12	0.81
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	19	0.81
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	19	0.81
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	19	0.81
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	8	0.81
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	8	0.81
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	8	0.81
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	8	0.81
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	8	0.81
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	8	0.81
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	8	0.81
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	8	0.81
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	8	0.81
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	3	0.81
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	3	0.81
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	3	0.81
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	6	0.81
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	6	0.81
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	6	0.81
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	14	0.81
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	14	0.81
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	14	0.81
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	9	0.81
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	9	0.81
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	9	0.81
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	15	0.81
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	15	0.81
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	15	0.81
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	15	0.81
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	15	0.81
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	15	0.81
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	15	0.81
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	15	0.81
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	11	0.81
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	3	0.81
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	3	0.81
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	3	0.81
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	14	0.81
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	14	0.81
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	14	0.81
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	6	0.81
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	6	0.81
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	17	0.81
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	3	0.81
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	7	0.81
(1,702)	1:101:A:ARG:HA	1:101:A:ARG:HD2	10	0.81
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	14	0.81
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG21	13	0.81
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG22	13	0.81
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG23	13	0.81
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	18	0.8
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	14	0.8
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	3	0.8
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	3	0.8
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	3	0.8
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	10	0.8
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	10	0.8
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	10	0.8
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	9	0.8
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	16	0.8
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	16	0.8
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	16	0.8
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	16	0.8
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	12	0.8
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	12	0.8
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	12	0.8
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	20	0.8
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	4	0.8
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	2	0.8
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	2	0.8
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	10	0.8
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	15	0.8
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	15	0.8
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	15	0.8
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	18	0.8
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	18	0.8
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	18	0.8
(2,2527)	1:85:A:VAL:HG21	1:82:A:ALA:H	14	0.8
(2,2527)	1:85:A:VAL:HG22	1:82:A:ALA:H	14	0.8
(2,2527)	1:85:A:VAL:HG23	1:82:A:ALA:H	14	0.8
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	8	0.8
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	12	0.8
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	14	0.8
(2,2424)	1:26:A:LEU:HG	1:73:A:LEU:H	20	0.8
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	9	0.8
(2,2382)	1:66:A:LEU:HD21	1:64:A:LYS:H	10	0.8
(2,2382)	1:66:A:LEU:HD22	1:64:A:LYS:H	10	0.8
(2,2382)	1:66:A:LEU:HD23	1:64:A:LYS:H	10	0.8
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	10	0.8
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	3	0.8
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	5	0.8
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	5	0.8
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	5	0.8
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	13	0.8
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	13	0.8
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	13	0.8
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	4	0.8
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	12	0.8
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	13	0.8
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	13	0.8
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	13	0.8
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	17	0.8
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	17	0.8
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	17	0.8
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	19	0.8
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	19	0.8
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	19	0.8
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	18	0.8
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	20	0.8
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	20	0.8
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	13	0.8
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	13	0.8
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	17	0.8
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	17	0.8
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	17	0.8
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	19	0.8
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	9	0.8
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	9	0.8
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	9	0.8
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	10	0.8
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	10	0.8
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	10	0.8
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	12	0.8
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	12	0.8
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	12	0.8
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	3	0.8
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	3	0.8
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	3	0.8
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	11	0.8
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	11	0.8
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	11	0.8
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	7	0.8
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	20	0.8
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	19	0.8
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	2	0.8
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	3	0.8
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	3	0.8
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	11	0.8
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	13	0.8
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	11	0.8
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	12	0.8
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	16	0.8
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	19	0.8
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	10	0.8
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	10	0.8
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	10	0.8
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	11	0.8
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	9	0.8
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	20	0.8
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	3	0.8
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	14	0.8
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	4	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	3	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	3	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	3	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	3	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	3	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	3	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	3	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	3	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	3	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	12	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	12	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	12	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	12	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	12	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	12	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	12	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	12	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	12	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	16	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	16	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	16	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	16	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	16	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	16	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	16	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	16	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	16	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	17	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	17	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	17	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	17	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	17	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	17	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	17	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	17	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	17	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	20	0.8
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	20	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	20	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	20	0.8
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	20	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	20	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	20	0.8
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	20	0.8
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	7	0.8
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	13	0.8
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	9	0.8
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	9	0.8
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	9	0.8
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	9	0.8
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	9	0.8
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	9	0.8
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	9	0.8
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	9	0.8
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	9	0.8
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	10	0.8
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	10	0.8
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	10	0.8
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	4	0.8
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	4	0.8
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	4	0.8
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	9	0.8
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	9	0.8
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	9	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	5	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	5	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	5	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	17	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	17	0.8
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	17	0.8
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	3	0.8
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	13	0.8
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	2	0.8
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	10	0.8
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	17	0.8
(2,1402)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	20	0.8
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	3	0.8
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	18	0.8
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	11	0.8
(2,1329)	1:113:A:ARG:HA	1:116:A:LYS:HB2	12	0.8
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	10	0.8
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	10	0.8
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	10	0.8
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	17	0.8
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	17	0.8
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	17	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	1	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	1	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	1	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	3	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	3	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	3	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	4	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	4	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	4	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	7	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	7	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	7	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	17	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	17	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	17	0.8
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	19	0.8
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	19	0.8
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	19	0.8
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	19	0.8
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	8	0.8
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	2	0.8
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	2	0.8
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	2	0.8
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	2	0.8
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	14	0.8
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	14	0.8
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	14	0.8
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	9	0.8
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	10	0.8
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	12	0.8
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	6	0.8
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	14	0.8
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	20	0.8
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	11	0.8
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	11	0.8
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	11	0.8
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	4	0.8
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	4	0.8
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	4	0.8
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	16	0.8
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	16	0.8
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	16	0.8
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	1	0.8
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	1	0.8
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	1	0.8
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	13	0.8
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	13	0.8
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	13	0.8
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	17	0.8
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	17	0.8
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	17	0.8
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	5	0.8
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	20	0.8
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	12	0.8
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	13	0.8
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	14	0.8
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	14	0.8
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	14	0.8
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	18	0.8
(2,1051)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	20	0.8
(2,1049)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	2	0.8
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	5	0.8
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	9	0.8
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	14	0.8
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	20	0.8
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	10	0.8
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	12	0.8
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	12	0.8
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	12	0.8
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	11	0.8
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	14	0.8
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	10	0.8
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	18	0.8
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	2	0.8
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	15	0.8
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	19	0.8
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	5	0.8
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	9	0.8
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	15	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	3	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	3	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	3	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	5	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	5	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	5	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	6	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	6	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	6	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	7	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	7	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	7	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	11	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	11	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	11	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	16	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	16	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	16	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	17	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	17	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	17	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	18	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	18	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	18	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	19	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	19	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	19	0.8
(2,925)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	0.8
(2,925)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	0.8
(2,925)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	0.8
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	12	0.8
(2,887)	1:85:A:VAL:HG21	1:86:A:LYS:H	6	0.8
(2,887)	1:85:A:VAL:HG22	1:86:A:LYS:H	6	0.8
(2,887)	1:85:A:VAL:HG23	1:86:A:LYS:H	6	0.8
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	10	0.8
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	10	0.8
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	5	0.8
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	11	0.8
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	4	0.8
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	4	0.8
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	4	0.8
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	8	0.8
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	7	0.8
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.8
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.8
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.8
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	4	0.8
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	2	0.8
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	3	0.8
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	15	0.8
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	15	0.8
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	15	0.8
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	14	0.8
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	14	0.8
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	14	0.8
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	9	0.8
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	9	0.8
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	9	0.8
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	12	0.8
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	12	0.8
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	12	0.8
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	12	0.8
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	12	0.8
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	12	0.8
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	12	0.8
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	12	0.8
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	12	0.8
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	1	0.8
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	1	0.8
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	1	0.8
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	11	0.8
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	11	0.8
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	11	0.8
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	15	0.8
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	15	0.8
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	15	0.8
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	5	0.8
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	19	0.8
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	9	0.8
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	10	0.8
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	18	0.8
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	19	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	4	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	11	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	15	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	16	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	17	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	19	0.8
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	20	0.8
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	10	0.8
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	10	0.8
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	10	0.8
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	12	0.8
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	12	0.8
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	12	0.8
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	5	0.8
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	5	0.8
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	5	0.8
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	11	0.8
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	11	0.8
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	11	0.8
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	10	0.8
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	13	0.8
(2,562)	1:70:A:VAL:HG21	1:68:A:PRO:HB2	2	0.8
(2,562)	1:70:A:VAL:HG22	1:68:A:PRO:HB2	2	0.8
(2,562)	1:70:A:VAL:HG23	1:68:A:PRO:HB2	2	0.8
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	15	0.8
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	9	0.8
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	15	0.8
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	14	0.8
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	20	0.8
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	3	0.8
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	14	0.8
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	14	0.8
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	14	0.8
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	3	0.8
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	9	0.8
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	5	0.8
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	9	0.8
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	7	0.8
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	8	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	2	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	2	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	2	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	19	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	19	0.8
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	19	0.8
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	13	0.8
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	2	0.8
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	14	0.8
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	18	0.8
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	16	0.8
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	16	0.8
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	16	0.8
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	20	0.8
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	20	0.8
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	20	0.8
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	16	0.8
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	10	0.8
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	6	0.8
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	6	0.8
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	6	0.8
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	19	0.8
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	9	0.8
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	9	0.8
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	9	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	1	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	1	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	1	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	3	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	3	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	3	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	4	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	4	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	4	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	7	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	7	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	7	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	9	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	9	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	10	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	10	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	10	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	12	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	12	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	12	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	14	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	14	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	14	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	20	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	20	0.8
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	20	0.8
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	2	0.8
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	2	0.8
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	2	0.8
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	3	0.8
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	3	0.8
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	3	0.8
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	8	0.8
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	8	0.8
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	8	0.8
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	14	0.8
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	14	0.8
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	14	0.8
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	19	0.8
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	19	0.8
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	19	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	5	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	5	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	5	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	8	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	8	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	8	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	19	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	19	0.8
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	19	0.8
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	10	0.8
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	3	0.8
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	9	0.8
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	12	0.8
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	6	0.8
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	6	0.8
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	6	0.8
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	14	0.8
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	4	0.8
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	4	0.8
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	4	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	1	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	1	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	1	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	13	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	13	0.8
(2,178)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	13	0.8
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	12	0.8
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	19	0.8
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	19	0.8
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	19	0.8
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	14	0.8
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	6	0.8
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	17	0.8
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	10	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	7	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	7	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	7	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	10	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	10	0.8
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	10	0.8
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	17	0.8
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	15	0.8
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	15	0.8
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	15	0.8
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	15	0.8
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	15	0.8
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	15	0.8
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	15	0.8
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	15	0.8
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	15	0.8
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	5	0.8
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	5	0.8
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	5	0.8
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	19	0.8
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	19	0.8
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	10	0.8
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	19	0.8
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	11	0.8
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	11	0.8
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	11	0.8
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	14	0.8
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	14	0.8
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	14	0.8
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	3	0.8
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	17	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	1	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	1	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	1	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	2	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	2	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	2	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	4	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	4	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	4	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	5	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	5	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	5	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	7	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	7	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	7	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	8	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	8	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	8	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	9	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	9	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	9	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	11	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	11	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	11	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	12	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	12	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	12	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	13	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	13	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	13	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	15	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	15	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	17	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	17	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	17	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	19	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	19	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	19	0.8
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	20	0.8
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	20	0.8
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	20	0.8
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	1	0.8
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	1	0.8
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	1	0.8
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	3	0.8
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	3	0.8
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	3	0.8
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	5	0.8
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	7	0.8
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	2	0.8
(1,2113)	1:117:A:GLU:H	1:116:A:LYS:HD2	2	0.8
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	16	0.8
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	16	0.8
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	16	0.8
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	14	0.8
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	8	0.8
(1,845)	1:112:A:LYS:HA	1:41:A:MET:HG3	20	0.8
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	12	0.8
(1,476)	1:113:A:ARG:H	1:75:A:LEU:HD21	11	0.8
(1,476)	1:113:A:ARG:H	1:75:A:LEU:HD22	11	0.8
(1,476)	1:113:A:ARG:H	1:75:A:LEU:HD23	11	0.8
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	10	0.8
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	10	0.8
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	10	0.8
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	1	0.79
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	1	0.79
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	1	0.79
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	19	0.79
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	13	0.79
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	13	0.79
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	13	0.79
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	12	0.79
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	12	0.79
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	6	0.79
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	5	0.79
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	5	0.79
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	5	0.79
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	15	0.79
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	15	0.79
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	15	0.79
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	4	0.79
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	8	0.79
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	12	0.79
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	11	0.79
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	9	0.79
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	9	0.79
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	9	0.79
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	14	0.79
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	14	0.79
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	14	0.79
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	15	0.79
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	18	0.79
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	18	0.79
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	18	0.79
(2,2522)	1:82:A:ALA:H	1:83:A:ASP:HB3	13	0.79
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	18	0.79
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	18	0.79
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	18	0.79
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	16	0.79
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	11	0.79
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	20	0.79
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	20	0.79
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	20	0.79
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	7	0.79
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	7	0.79
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	7	0.79
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	8	0.79
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	11	0.79
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	11	0.79
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	11	0.79
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	12	0.79
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	12	0.79
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	18	0.79
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	18	0.79
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	4	0.79
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	20	0.79
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	3	0.79
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	3	0.79
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	3	0.79
(2,2176)	1:29:A:SER:HB2	1:30:A:ASN:H	13	0.79
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	7	0.79
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	7	0.79
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	6	0.79
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	6	0.79
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	6	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	2	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	2	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	2	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	16	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	16	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	16	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	20	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	20	0.79
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	20	0.79
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	11	0.79
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	11	0.79
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	17	0.79
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	10	0.79
(2,2010)	1:113:A:ARG:H	1:113:A:ARG:HD2	11	0.79
(2,2010)	1:113:A:ARG:H	1:113:A:ARG:HD2	20	0.79
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	14	0.79
(2,1811)	1:70:A:VAL:HG11	1:70:A:VAL:H	13	0.79
(2,1811)	1:70:A:VAL:HG12	1:70:A:VAL:H	13	0.79
(2,1811)	1:70:A:VAL:HG13	1:70:A:VAL:H	13	0.79
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	3	0.79
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	15	0.79
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	6	0.79
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	8	0.79
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	17	0.79
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	1	0.79
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	3	0.79
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	11	0.79
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	13	0.79
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	3	0.79
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	14	0.79
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	4	0.79
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	5	0.79
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	9	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	4	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	4	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	4	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	4	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	4	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	4	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	4	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	4	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	4	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	5	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	5	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	5	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	5	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	5	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	5	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	5	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	5	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	5	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	7	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	7	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	7	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	7	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	7	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	7	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	7	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	7	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	7	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	13	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	13	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	13	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	13	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	13	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	13	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	13	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	13	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	13	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	19	0.79
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	19	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	19	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	19	0.79
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	19	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	19	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	19	0.79
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	19	0.79
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	13	0.79
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	16	0.79
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	3	0.79
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	11	0.79
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	8	0.79
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	8	0.79
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	8	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	8	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	8	0.79
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	8	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	8	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	8	0.79
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	8	0.79
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	6	0.79
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	6	0.79
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	6	0.79
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	18	0.79
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	18	0.79
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	18	0.79
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	15	0.79
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	15	0.79
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	15	0.79
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	16	0.79
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	2	0.79
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	2	0.79
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	2	0.79
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	15	0.79
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	2	0.79
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	3	0.79
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	12	0.79
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	19	0.79
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	10	0.79
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	17	0.79
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	2	0.79
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	2	0.79
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	16	0.79
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	6	0.79
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	6	0.79
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	6	0.79
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	18	0.79
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	18	0.79
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	18	0.79
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	20	0.79
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	20	0.79
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	20	0.79
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	11	0.79
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	8	0.79
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	11	0.79
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	18	0.79
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	1	0.79
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	9	0.79
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	13	0.79
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	17	0.79
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	19	0.79
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	7	0.79
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	14	0.79
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	11	0.79
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	11	0.79
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	11	0.79
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	2	0.79
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	2	0.79
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	2	0.79
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	3	0.79
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	3	0.79
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	3	0.79
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	9	0.79
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	9	0.79
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	9	0.79
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	19	0.79
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	19	0.79
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	19	0.79
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	3	0.79
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	10	0.79
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	13	0.79
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	13	0.79
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	2	0.79
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	4	0.79
(2,997)	1:98:A:LEU:HB2	1:98:A:LEU:HA	16	0.79
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	14	0.79
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	14	0.79
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	14	0.79
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	7	0.79
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	9	0.79
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	19	0.79
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	6	0.79
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	7	0.79
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	13	0.79
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	15	0.79
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	10	0.79
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	18	0.79
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	18	0.79
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	18	0.79
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	9	0.79
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB1	6	0.79
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB2	6	0.79
(2,836)	1:78:A:ASP:HA	1:82:A:ALA:HB3	6	0.79
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	15	0.79
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	3	0.79
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	3	0.79
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	3	0.79
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	11	0.79
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	11	0.79
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	11	0.79
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	11	0.79
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	15	0.79
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	10	0.79
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	20	0.79
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	20	0.79
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	20	0.79
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	16	0.79
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	16	0.79
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	16	0.79
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	9	0.79
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	9	0.79
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	9	0.79
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	15	0.79
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	15	0.79
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	1	0.79
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	1	0.79
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	1	0.79
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	8	0.79
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	8	0.79
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	8	0.79
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	3	0.79
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	6	0.79
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	19	0.79
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	9	0.79
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	15	0.79
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	18	0.79
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	18	0.79
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	18	0.79
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	5	0.79
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	7	0.79
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	8	0.79
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	17	0.79
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	2	0.79
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	6	0.79
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	15	0.79
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	18	0.79
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	12	0.79
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	12	0.79
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	19	0.79
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	1	0.79
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	19	0.79
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	7	0.79
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	7	0.79
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	7	0.79
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	10	0.79
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	10	0.79
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	10	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	3	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	3	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	3	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	4	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	4	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	4	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	11	0.79
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	11	0.79
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	7	0.79
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	13	0.79
(2,452)	1:113:A:ARG:HB2	1:113:A:ARG:HA	11	0.79
(2,429)	1:59:A:ILE:HA	1:59:A:ILE:H	4	0.79
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	17	0.79
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	3	0.79
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	6	0.79
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	10	0.79
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	13	0.79
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	20	0.79
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	16	0.79
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	8	0.79
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	20	0.79
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	5	0.79
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	3	0.79
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	3	0.79
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	3	0.79
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	5	0.79
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	5	0.79
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	5	0.79
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	16	0.79
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	16	0.79
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	16	0.79
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	1	0.79
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	6	0.79
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	17	0.79
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	11	0.79
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	14	0.79
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	14	0.79
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	14	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	1	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	1	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	1	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	1	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	1	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	1	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	1	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	1	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	1	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	3	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	3	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	3	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	3	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	3	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	3	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	3	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	3	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	11	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	11	0.79
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	11	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	11	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	11	0.79
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	11	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	11	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	11	0.79
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	11	0.79
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	19	0.79
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	19	0.79
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	19	0.79
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	17	0.79
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	17	0.79
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	17	0.79
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	17	0.79
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	17	0.79
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	17	0.79
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	17	0.79
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	17	0.79
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	17	0.79
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	16	0.79
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	16	0.79
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	16	0.79
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	16	0.79
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	16	0.79
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	16	0.79
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	16	0.79
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	16	0.79
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	16	0.79
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	11	0.79
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	4	0.79
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	9	0.79
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	12	0.79
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	12	0.79
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	6	0.79
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	12	0.79
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	1	0.79
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	1	0.79
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	1	0.79
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	19	0.79
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	19	0.79
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	19	0.79
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	8	0.79
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	8	0.79
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	8	0.79
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	14	0.79
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	14	0.79
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	14	0.79
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	14	0.79
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	14	0.79
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	14	0.79
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	14	0.79
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	14	0.79
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	14	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	4	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	4	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	4	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	7	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	7	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	7	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	12	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	12	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	12	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	13	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	13	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	13	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	17	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	17	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	17	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	20	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	20	0.79
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	20	0.79
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	9	0.79
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	9	0.79
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	12	0.79
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	6	0.79
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	6	0.79
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	6	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	2	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	2	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	2	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	5	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	5	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	5	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	6	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	6	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	6	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	8	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	8	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	8	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	11	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	11	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	11	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	13	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	13	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	13	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	15	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	15	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	15	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	16	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	16	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	16	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	17	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	17	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	17	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	18	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	18	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	18	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB1	19	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB2	19	0.79
(2,239)	1:38:A:ALA:HA	1:38:A:ALA:HB3	19	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	4	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	4	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	4	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	5	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	5	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	10	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	10	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	10	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	11	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	11	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	11	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	13	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	13	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	13	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	16	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	16	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	16	0.79
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	17	0.79
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	17	0.79
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	17	0.79
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	16	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	1	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	1	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	1	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	3	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	3	0.79
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	3	0.79
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	3	0.79
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	3	0.79
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	3	0.79
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	1	0.79
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	1	0.79
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	1	0.79
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	1	0.79
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	1	0.79
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	1	0.79
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	1	0.79
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	1	0.79
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	1	0.79
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	16	0.79
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	18	0.79
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	11	0.79
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	11	0.79
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	11	0.79
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	6	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	2	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	2	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	2	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	2	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	2	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	2	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	2	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	2	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	2	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	13	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	13	0.79
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	13	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	13	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	13	0.79
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	13	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	13	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	13	0.79
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	13	0.79
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	3	0.79
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	2	0.79
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	17	0.79
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	18	0.79
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	18	0.79
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	18	0.79
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	18	0.79
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	18	0.79
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	18	0.79
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	18	0.79
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	6	0.79
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	15	0.79
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	19	0.79
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	9	0.79
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	10	0.79
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	10	0.79
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	10	0.79
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	16	0.79
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	16	0.79
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	16	0.79
(2,52)	1:75:A:LEU:HD11	1:75:A:LEU:HG	18	0.79
(2,52)	1:75:A:LEU:HD12	1:75:A:LEU:HG	18	0.79
(2,52)	1:75:A:LEU:HD13	1:75:A:LEU:HG	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	10	0.79
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	10	0.79
(2,51)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	10	0.79
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	10	0.79
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	10	0.79
(2,51)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	10	0.79
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	10	0.79
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	10	0.79
(2,51)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	10	0.79
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	12	0.79
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	12	0.79
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	12	0.79
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	3	0.79
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	3	0.79
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	3	0.79
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	6	0.79
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	1	0.79
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	14	0.79
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	16	0.79
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	1	0.79
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	17	0.79
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	16	0.79
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	16	0.79
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	16	0.79
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	16	0.79
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	5	0.79
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	1	0.78
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	6	0.78
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	6	0.78
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	6	0.78
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	7	0.78
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	7	0.78
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	7	0.78
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	14	0.78
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	14	0.78
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	14	0.78
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	12	0.78
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	12	0.78
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	12	0.78
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	1	0.78
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	1	0.78
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	7	0.78
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	7	0.78
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	7	0.78
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	16	0.78
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	16	0.78
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	16	0.78
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	12	0.78
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	11	0.78
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	11	0.78
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	11	0.78
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	20	0.78
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	12	0.78
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	12	0.78
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	12	0.78
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	19	0.78
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	2	0.78
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	2	0.78
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	2	0.78
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	2	0.78
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	2	0.78
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	2	0.78
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	20	0.78
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	10	0.78
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	10	0.78
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	10	0.78
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	5	0.78
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	5	0.78
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	5	0.78
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	10	0.78
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	10	0.78
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	10	0.78
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	7	0.78
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	7	0.78
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	7	0.78
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	10	0.78
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	7	0.78
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	7	0.78
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	7	0.78
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	3	0.78
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	3	0.78
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	15	0.78
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	10	0.78
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	10	0.78
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	10	0.78
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	14	0.78
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	15	0.78
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	1	0.78
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	1	0.78
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	1	0.78
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	9	0.78
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	9	0.78
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	9	0.78
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	18	0.78
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	3	0.78
(2,1977)	1:39:A:ARG:HD2	1:39:A:ARG:H	13	0.78
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	18	0.78
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	6	0.78
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	12	0.78
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	15	0.78
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	1	0.78
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	7	0.78
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	1	0.78
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	4	0.78
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	6	0.78
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	18	0.78
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	12	0.78
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	7	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	6	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	6	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	6	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	6	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	6	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	6	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	6	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	6	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	6	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	10	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	10	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	10	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	10	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	10	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	10	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	10	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	10	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	15	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	15	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	15	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	15	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	15	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	15	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	15	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	15	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	15	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	18	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	18	0.78
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	18	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	18	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	18	0.78
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	18	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	18	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	18	0.78
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	18	0.78
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	15	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	1	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	2	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	3	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	4	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	5	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	6	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	7	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	8	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	9	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	10	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	11	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	12	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	13	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	14	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	15	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	17	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	18	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	19	0.78
(2,1538)	1:53:A:GLU:HB2	1:53:A:GLU:HB3	20	0.78
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	17	0.78
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	7	0.78
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	13	0.78
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	12	0.78
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	12	0.78
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	12	0.78
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	15	0.78
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	15	0.78
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	15	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	2	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	2	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	2	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	3	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	3	0.78
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	3	0.78
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	1	0.78
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	1	0.78
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	1	0.78
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	1	0.78
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	1	0.78
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	1	0.78
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	1	0.78
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	1	0.78
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	1	0.78
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	7	0.78
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	13	0.78
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	13	0.78
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	13	0.78
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	14	0.78
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	14	0.78
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	14	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	2	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	2	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	2	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	6	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	6	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	6	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	10	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	10	0.78
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	10	0.78
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	11	0.78
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	7	0.78
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	6	0.78
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	6	0.78
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	6	0.78
(2,1303)	1:111:A:ALA:HB1	1:111:A:ALA:H	2	0.78
(2,1303)	1:111:A:ALA:HB2	1:111:A:ALA:H	2	0.78
(2,1303)	1:111:A:ALA:HB3	1:111:A:ALA:H	2	0.78
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	10	0.78
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	4	0.78
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	17	0.78
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	12	0.78
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	12	0.78
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	12	0.78
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	1	0.78
(2,1192)	1:105:A:VAL:HB	1:105:A:VAL:HA	20	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	1	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	2	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	3	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	4	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	5	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	7	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	9	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	10	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	11	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	12	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	13	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	14	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	17	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	18	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	19	0.78
(2,1177)	1:104:A:LYS:HG3	1:104:A:LYS:HB3	20	0.78
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	20	0.78
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	15	0.78
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	12	0.78
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	13	0.78
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	20	0.78
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	1	0.78
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	6	0.78
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	12	0.78
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	14	0.78
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	14	0.78
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	14	0.78
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	20	0.78
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	20	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	5	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	5	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	5	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	6	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	6	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	6	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	7	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	7	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	7	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	8	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	8	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	8	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	10	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	10	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	10	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	12	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	12	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	12	0.78
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	15	0.78
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	15	0.78
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	15	0.78
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	15	0.78
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	1	0.78
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	5	0.78
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	5	0.78
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	5	0.78
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	10	0.78
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	8	0.78
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	5	0.78
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	7	0.78
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	15	0.78
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	11	0.78
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	1	0.78
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	1	0.78
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	1	0.78
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	17	0.78
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	5	0.78
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	8	0.78
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	6	0.78
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	1	0.78
(2,970)	1:93:A:ALA:HB1	1:90:A:GLU:HG2	1	0.78
(2,970)	1:93:A:ALA:HB2	1:90:A:GLU:HG2	1	0.78
(2,970)	1:93:A:ALA:HB3	1:90:A:GLU:HG2	1	0.78
(2,970)	1:93:A:ALA:HB1	1:90:A:GLU:HG2	8	0.78
(2,970)	1:93:A:ALA:HB2	1:90:A:GLU:HG2	8	0.78
(2,970)	1:93:A:ALA:HB3	1:90:A:GLU:HG2	8	0.78
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	8	0.78
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	3	0.78
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	3	0.78
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	10	0.78
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	17	0.78
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	4	0.78
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	4	0.78
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	4	0.78
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	4	0.78
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	4	0.78
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	4	0.78
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	4	0.78
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	4	0.78
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	4	0.78
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	11	0.78
(2,851)	1:83:A:ASP:HB2	1:83:A:ASP:H	19	0.78
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	2	0.78
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	19	0.78
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	6	0.78
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	6	0.78
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	6	0.78
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	6	0.78
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	6	0.78
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	6	0.78
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	6	0.78
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	6	0.78
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	6	0.78
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.78
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.78
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.78
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.78
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.78
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.78
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	11	0.78
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	9	0.78
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	9	0.78
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	9	0.78
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	10	0.78
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	10	0.78
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	10	0.78
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	10	0.78
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	10	0.78
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	10	0.78
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	12	0.78
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	12	0.78
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	12	0.78
(2,686)	1:73:A:LEU:HD21	1:118:A:PHE:HA	10	0.78
(2,686)	1:73:A:LEU:HD22	1:118:A:PHE:HA	10	0.78
(2,686)	1:73:A:LEU:HD23	1:118:A:PHE:HA	10	0.78
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	12	0.78
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	12	0.78
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	12	0.78
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	10	0.78
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	10	0.78
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	10	0.78
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	1	0.78
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	3	0.78
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	14	0.78
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	14	0.78
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	14	0.78
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	7	0.78
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	13	0.78
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	7	0.78
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	12	0.78
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	16	0.78
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	17	0.78
(2,634)	1:71:A:LYS:HB3	1:71:A:LYS:HG2	20	0.78
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	2	0.78
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	2	0.78
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	2	0.78
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	3	0.78
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	3	0.78
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	3	0.78
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	9	0.78
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	10	0.78
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	18	0.78
(2,595)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	19	0.78
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	1	0.78
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	6	0.78
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	15	0.78
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	18	0.78
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	5	0.78
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	5	0.78
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	5	0.78
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	17	0.78
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	17	0.78
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	17	0.78
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD11	15	0.78
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD12	15	0.78
(2,500)	1:63:A:LEU:HA	1:63:A:LEU:HD13	15	0.78
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	11	0.78
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	15	0.78
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	8	0.78
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	10	0.78
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	1	0.78
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	2	0.78
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	11	0.78
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	11	0.78
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	11	0.78
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	4	0.78
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	11	0.78
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	9	0.78
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	17	0.78
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	11	0.78
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	18	0.78
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	10	0.78
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	19	0.78
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	13	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	4	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	4	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	4	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	18	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	18	0.78
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	18	0.78
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	2	0.78
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	11	0.78
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	7	0.78
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	11	0.78
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	15	0.78
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	17	0.78
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	4	0.78
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	13	0.78
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	5	0.78
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	5	0.78
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	5	0.78
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	14	0.78
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	14	0.78
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	14	0.78
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	20	0.78
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	20	0.78
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	20	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	1	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	1	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	1	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	2	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	2	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	2	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	3	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	3	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	3	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	5	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	5	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	5	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	6	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	6	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	6	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	8	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	8	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	8	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	9	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	9	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	9	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	10	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	10	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	10	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	11	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	11	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	14	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	14	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	14	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	15	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	15	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	15	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	16	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	16	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	16	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	18	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	18	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	18	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB1	19	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB2	19	0.78
(2,309)	1:45:A:ALA:HA	1:45:A:ALA:HB3	19	0.78
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB1	3	0.78
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB2	3	0.78
(2,308)	1:45:A:ALA:H	1:45:A:ALA:HB3	3	0.78
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	19	0.78
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	17	0.78
(2,270)	1:41:A:MET:HB2	1:41:A:MET:HG2	8	0.78
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	8	0.78
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	8	0.78
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	8	0.78
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	6	0.78
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	6	0.78
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	6	0.78
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	7	0.78
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	7	0.78
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	7	0.78
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	9	0.78
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	9	0.78
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	9	0.78
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	15	0.78
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	15	0.78
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	15	0.78
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	9	0.78
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	13	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	4	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	4	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	4	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	6	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	6	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	7	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	7	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	7	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	9	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	9	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	9	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	12	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	12	0.78
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	12	0.78
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	3	0.78
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	3	0.78
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	3	0.78
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	18	0.78
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	18	0.78
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	18	0.78
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	15	0.78
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	15	0.78
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	15	0.78
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD11	5	0.78
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD12	5	0.78
(2,174)	1:34:A:LEU:HA	1:34:A:LEU:HD13	5	0.78
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	8	0.78
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	14	0.78
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	13	0.78
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	9	0.78
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	4	0.78
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	15	0.78
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	18	0.78
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	20	0.78
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	9	0.78
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	9	0.78
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	9	0.78
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	8	0.78
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	8	0.78
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	8	0.78
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	3	0.78
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	9	0.78
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	15	0.78
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	15	0.78
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	5	0.78
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	7	0.78
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	9	0.78
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	10	0.78
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	13	0.78
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	19	0.78
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	19	0.78
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	19	0.78
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	14	0.78
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	14	0.78
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	14	0.78
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	14	0.78
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	14	0.78
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	14	0.78
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	14	0.78
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	14	0.78
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	14	0.78
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	20	0.78
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	3	0.78
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	12	0.78
(1,1620)	1:86:A:LYS:H	1:86:A:LYS:HD2	16	0.78
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	2	0.78
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	2	0.78
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	14	0.78
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	8	0.78
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD11	9	0.78
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD12	9	0.78
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD13	9	0.78
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD11	9	0.78
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD12	9	0.78
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD13	9	0.78
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD11	9	0.78
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD12	9	0.78
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD13	9	0.78
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	12	0.77
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	17	0.77
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	17	0.77
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	17	0.77
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	5	0.77
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	6	0.77
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	11	0.77
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	11	0.77
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	9	0.77
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	9	0.77
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	9	0.77
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	10	0.77
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	2	0.77
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	2	0.77
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	2	0.77
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	5	0.77
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	5	0.77
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	5	0.77
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	11	0.77
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	11	0.77
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	11	0.77
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	11	0.77
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	14	0.77
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	15	0.77
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	15	0.77
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	15	0.77
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	15	0.77
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	15	0.77
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	2	0.77
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	2	0.77
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	2	0.77
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	2	0.77
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	15	0.77
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	3	0.77
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	18	0.77
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	1	0.77
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	1	0.77
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	1	0.77
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	6	0.77
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	6	0.77
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	6	0.77
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	14	0.77
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	14	0.77
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	14	0.77
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	18	0.77
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	18	0.77
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	18	0.77
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	15	0.77
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	8	0.77
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	8	0.77
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	10	0.77
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	10	0.77
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	10	0.77
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	16	0.77
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	19	0.77
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	19	0.77
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	4	0.77
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	18	0.77
(2,1977)	1:39:A:ARG:HD2	1:39:A:ARG:H	3	0.77
(2,1977)	1:39:A:ARG:HD2	1:39:A:ARG:H	11	0.77
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	18	0.77
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	10	0.77
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	10	0.77
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	2	0.77
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	10	0.77
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	14	0.77
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	20	0.77
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	10	0.77
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	4	0.77
(2,1661)	1:81:A:ASP:H	1:82:A:ALA:H	9	0.77
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	1	0.77
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	2	0.77
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	3	0.77
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	13	0.77
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	1	0.77
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	1	0.77
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	1	0.77
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	9	0.77
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	11	0.77
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	11	0.77
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	11	0.77
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	5	0.77
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	5	0.77
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	5	0.77
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	19	0.77
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	19	0.77
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	19	0.77
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	8	0.77
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	8	0.77
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	16	0.77
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	16	0.77
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	16	0.77
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	9	0.77
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	9	0.77
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	9	0.77
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	18	0.77
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	11	0.77
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	11	0.77
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	11	0.77
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	20	0.77
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	20	0.77
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	20	0.77
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	13	0.77
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	1	0.77
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	5	0.77
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	14	0.77
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	15	0.77
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	17	0.77
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	10	0.77
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	10	0.77
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	10	0.77
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	10	0.77
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	17	0.77
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	17	0.77
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	17	0.77
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	7	0.77
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	9	0.77
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	9	0.77
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	9	0.77
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	6	0.77
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	8	0.77
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	13	0.77
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	13	0.77
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	13	0.77
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	19	0.77
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	11	0.77
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	2	0.77
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	17	0.77
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	1	0.77
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	6	0.77
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	18	0.77
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	5	0.77
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	5	0.77
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	5	0.77
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	4	0.77
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	4	0.77
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	4	0.77
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	16	0.77
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	16	0.77
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	16	0.77
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	9	0.77
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	9	0.77
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	3	0.77
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	4	0.77
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	4	0.77
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	4	0.77
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	2	0.77
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	8	0.77
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	18	0.77
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	16	0.77
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	16	0.77
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	16	0.77
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	7	0.77
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	13	0.77
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	6	0.77
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	20	0.77
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	13	0.77
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	4	0.77
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	18	0.77
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	14	0.77
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	14	0.77
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	14	0.77
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	7	0.77
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	7	0.77
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	7	0.77
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	6	0.77
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	8	0.77
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	14	0.77
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	18	0.77
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	19	0.77
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	19	0.77
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	11	0.77
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	11	0.77
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	11	0.77
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.77
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.77
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.77
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.77
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.77
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.77
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.77
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.77
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.77
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.77
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.77
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.77
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	9	0.77
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	17	0.77
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	6	0.77
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	6	0.77
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	6	0.77
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	11	0.77
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	11	0.77
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	11	0.77
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	5	0.77
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	6	0.77
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	12	0.77
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	8	0.77
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	8	0.77
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	8	0.77
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	11	0.77
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	11	0.77
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	11	0.77
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	20	0.77
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	10	0.77
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	10	0.77
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	10	0.77
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	13	0.77
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	13	0.77
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	13	0.77
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	6	0.77
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	6	0.77
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	17	0.77
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	17	0.77
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	17	0.77
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	2	0.77
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	15	0.77
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	6	0.77
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	14	0.77
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	17	0.77
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	4	0.77
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	7	0.77
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	9	0.77
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	7	0.77
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	9	0.77
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	10	0.77
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	18	0.77
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	17	0.77
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	19	0.77
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	5	0.77
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	7	0.77
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	9	0.77
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	20	0.77
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	12	0.77
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	4	0.77
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	15	0.77
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	15	0.77
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	15	0.77
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	15	0.77
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	15	0.77
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	15	0.77
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	15	0.77
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	15	0.77
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	15	0.77
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	6	0.77
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	16	0.77
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	17	0.77
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	12	0.77
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	17	0.77
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	19	0.77
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	2	0.77
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	2	0.77
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	2	0.77
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	16	0.77
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	6	0.77
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	9	0.77
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	14	0.77
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	15	0.77
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	12	0.77
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	8	0.77
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	16	0.77
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	20	0.77
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	20	0.77
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	20	0.77
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	20	0.77
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	20	0.77
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	20	0.77
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	20	0.77
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	20	0.77
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	20	0.77
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	20	0.77
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	15	0.77
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	15	0.77
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	15	0.77
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	16	0.77
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	4	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	8	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	8	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	8	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	10	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	10	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	10	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	13	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	13	0.77
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	13	0.77
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	12	0.77
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	12	0.77
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	12	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	12	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	12	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	12	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	12	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	12	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	12	0.77
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	20	0.77
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	20	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	20	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	20	0.77
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	20	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	20	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	20	0.77
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	20	0.77
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	9	0.77
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	8	0.77
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	7	0.77
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	7	0.77
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	7	0.77
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	10	0.77
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	10	0.77
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	10	0.77
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	17	0.77
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	17	0.77
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	17	0.77
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	11	0.77
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	2	0.77
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	16	0.77
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	8	0.77
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	8	0.77
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	8	0.77
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	7	0.77
(2,238)	1:38:A:ALA:HB1	1:38:A:ALA:H	18	0.77
(2,238)	1:38:A:ALA:HB2	1:38:A:ALA:H	18	0.77
(2,238)	1:38:A:ALA:HB3	1:38:A:ALA:H	18	0.77
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	11	0.77
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG21	5	0.77
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG22	5	0.77
(2,220)	1:35:A:ILE:HA	1:35:A:ILE:HG23	5	0.77
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	5	0.77
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	5	0.77
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	5	0.77
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	11	0.77
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	11	0.77
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	11	0.77
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	14	0.77
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	14	0.77
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	16	0.77
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	16	0.77
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	16	0.77
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	13	0.77
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	13	0.77
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	13	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	2	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	2	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	2	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	3	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	3	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	3	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	4	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	4	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	4	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	5	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	5	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	5	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	7	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	7	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	7	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	8	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	8	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	8	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	10	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	10	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	10	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	11	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	11	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	11	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	12	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	12	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	12	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	13	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	13	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	13	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	14	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	14	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	14	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	15	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	15	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	16	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	16	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	16	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	19	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	19	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	19	0.77
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	20	0.77
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	20	0.77
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	20	0.77
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	16	0.77
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	17	0.77
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	17	0.77
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	17	0.77
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	15	0.77
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	14	0.77
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	14	0.77
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	14	0.77
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	4	0.77
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	3	0.77
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	17	0.77
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	11	0.77
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	11	0.77
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	11	0.77
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	11	0.77
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	11	0.77
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	11	0.77
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	11	0.77
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	11	0.77
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	11	0.77
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	19	0.77
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	19	0.77
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	19	0.77
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	6	0.77
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	11	0.77
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	13	0.77
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	16	0.77
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	16	0.77
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	16	0.77
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	8	0.77
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	8	0.77
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	8	0.77
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	1	0.77
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	1	0.77
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	1	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	8	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	8	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	8	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	9	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	9	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	9	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	18	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	18	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	18	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	19	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	19	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	19	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	20	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	20	0.77
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	20	0.77
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	2	0.77
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	2	0.77
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	2	0.77
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	2	0.77
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	2	0.77
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	2	0.77
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	2	0.77
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	2	0.77
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	2	0.77
(1,1490)	1:115:A:ILE:H	1:41:A:MET:HG2	20	0.77
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	4	0.77
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	9	0.77
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	20	0.77
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	20	0.77
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	20	0.77
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	6	0.77
(1,413)	1:72:A:ILE:H	1:72:A:ILE:HG12	19	0.77
(1,252)	1:28:A:TRP:HA	1:52:A:LEU:HB2	2	0.77
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	19	0.76
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	19	0.76
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	5	0.76
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	6	0.76
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	6	0.76
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	1	0.76
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	18	0.76
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	18	0.76
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	18	0.76
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	14	0.76
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	14	0.76
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	14	0.76
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	8	0.76
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	8	0.76
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	8	0.76
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	16	0.76
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	16	0.76
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	16	0.76
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	8	0.76
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	8	0.76
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	8	0.76
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	16	0.76
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	6	0.76
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	6	0.76
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	6	0.76
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	1	0.76
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	2	0.76
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	2	0.76
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	2	0.76
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	2	0.76
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	14	0.76
(2,2488)	1:85:A:VAL:HG21	1:28:A:TRP:HE1	6	0.76
(2,2488)	1:85:A:VAL:HG22	1:28:A:TRP:HE1	6	0.76
(2,2488)	1:85:A:VAL:HG23	1:28:A:TRP:HE1	6	0.76
(2,2488)	1:85:A:VAL:HG21	1:28:A:TRP:HE1	15	0.76
(2,2488)	1:85:A:VAL:HG22	1:28:A:TRP:HE1	15	0.76
(2,2488)	1:85:A:VAL:HG23	1:28:A:TRP:HE1	15	0.76
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	2	0.76
(2,2436)	1:74:A:VAL:H	1:73:A:LEU:HG	8	0.76
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	5	0.76
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	5	0.76
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	5	0.76
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	7	0.76
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	7	0.76
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	7	0.76
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	10	0.76
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	10	0.76
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	4	0.76
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	18	0.76
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	11	0.76
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	18	0.76
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	18	0.76
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	18	0.76
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	20	0.76
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	20	0.76
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	20	0.76
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	20	0.76
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	2	0.76
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	17	0.76
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	17	0.76
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	17	0.76
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	3	0.76
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	2	0.76
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	2	0.76
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	2	0.76
(2,1966)	1:116:A:LYS:H	1:116:A:LYS:HG2	14	0.76
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	2	0.76
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	2	0.76
(2,1845)	1:85:A:VAL:HG11	1:85:A:VAL:H	6	0.76
(2,1845)	1:85:A:VAL:HG12	1:85:A:VAL:H	6	0.76
(2,1845)	1:85:A:VAL:HG13	1:85:A:VAL:H	6	0.76
(2,1811)	1:70:A:VAL:HG11	1:70:A:VAL:H	14	0.76
(2,1811)	1:70:A:VAL:HG12	1:70:A:VAL:H	14	0.76
(2,1811)	1:70:A:VAL:HG13	1:70:A:VAL:H	14	0.76
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	7	0.76
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	9	0.76
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	15	0.76
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	3	0.76
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	15	0.76
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	3	0.76
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	12	0.76
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	14	0.76
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	17	0.76
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG21	14	0.76
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG22	14	0.76
(2,1562)	1:89:A:ILE:HD11	1:89:A:ILE:HG23	14	0.76
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG21	14	0.76
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG22	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:89:A:ILE:HD12	1:89:A:ILE:HG23	14	0.76
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG21	14	0.76
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG22	14	0.76
(2,1562)	1:89:A:ILE:HD13	1:89:A:ILE:HG23	14	0.76
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	7	0.76
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	16	0.76
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	5	0.76
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	5	0.76
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	5	0.76
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	11	0.76
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	13	0.76
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	7	0.76
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	7	0.76
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	7	0.76
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	7	0.76
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	7	0.76
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	7	0.76
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	7	0.76
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	7	0.76
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	7	0.76
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	18	0.76
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	4	0.76
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	16	0.76
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	16	0.76
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	16	0.76
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	16	0.76
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	16	0.76
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	16	0.76
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	16	0.76
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	16	0.76
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	16	0.76
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	9	0.76
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	9	0.76
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	9	0.76
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	10	0.76
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	10	0.76
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	10	0.76
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	4	0.76
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	4	0.76
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	4	0.76
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	7	0.76
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	1	0.76
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	8	0.76
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	7	0.76
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	6	0.76
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	6	0.76
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	6	0.76
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	20	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	1	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	3	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	5	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	10	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	12	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	16	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	18	0.76
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	20	0.76
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	17	0.76
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	4	0.76
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	4	0.76
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	4	0.76
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	6	0.76
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	6	0.76
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	6	0.76
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	1	0.76
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	5	0.76
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	9	0.76
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	18	0.76
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	17	0.76
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	19	0.76
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	11	0.76
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	11	0.76
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	11	0.76
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	14	0.76
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	14	0.76
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	14	0.76
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	19	0.76
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	20	0.76
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	20	0.76
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	20	0.76
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	20	0.76
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	3	0.76
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	3	0.76
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	10	0.76
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	10	0.76
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	10	0.76
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	14	0.76
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	15	0.76
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	15	0.76
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	6	0.76
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	10	0.76
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	11	0.76
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	15	0.76
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	17	0.76
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	13	0.76
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	11	0.76
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	13	0.76
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	14	0.76
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	16	0.76
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	18	0.76
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	20	0.76
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	1	0.76
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	7	0.76
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	6	0.76
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	19	0.76
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	13	0.76
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	13	0.76
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	13	0.76
(2,850)	1:84:A:LYS:H	1:83:A:ASP:HB2	10	0.76
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	4	0.76
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	12	0.76
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	16	0.76
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	16	0.76
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	16	0.76
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	5	0.76
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	20	0.76
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	4	0.76
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	11	0.76
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	13	0.76
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	8	0.76
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	9	0.76
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	9	0.76
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	9	0.76
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	6	0.76
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	6	0.76
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	16	0.76
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	16	0.76
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	16	0.76
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	9	0.76
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	9	0.76
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	9	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	1	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	2	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	3	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	4	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	5	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	7	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	8	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	9	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	10	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	11	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	12	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	13	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	15	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	16	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	18	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	19	0.76
(2,647)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	0.76
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	14	0.76
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	6	0.76
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	6	0.76
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	6	0.76
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	7	0.76
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	8	0.76
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	11	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	3	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	4	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	9	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	11	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	14	0.76
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	16	0.76
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	8	0.76
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	9	0.76
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	11	0.76
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	14	0.76
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	18	0.76
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	10	0.76
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	3	0.76
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	4	0.76
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	8	0.76
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	16	0.76
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	16	0.76
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	16	0.76
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	16	0.76
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	8	0.76
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	18	0.76
(2,539)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	0.76
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	4	0.76
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	4	0.76
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	4	0.76
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	5	0.76
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	18	0.76
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	4	0.76
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	8	0.76
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	20	0.76
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	2	0.76
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	4	0.76
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	4	0.76
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	15	0.76
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	7	0.76
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	5	0.76
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	12	0.76
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	5	0.76
(2,424)	1:57:A:LYS:HA	1:57:A:LYS:H	1	0.76
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	9	0.76
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	2	0.76
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	2	0.76
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	2	0.76
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	13	0.76
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	13	0.76
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	13	0.76
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	1	0.76
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	11	0.76
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	3	0.76
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	11	0.76
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	20	0.76
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	17	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	17	0.76
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	17	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	12	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	12	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	12	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	12	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	12	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	12	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	12	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	12	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	12	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	13	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	13	0.76
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	13	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	13	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	13	0.76
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	13	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	13	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	13	0.76
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	13	0.76
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	12	0.76
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	1	0.76
(2,331)	1:49:A:LEU:HA	1:50:A:LEU:H	8	0.76
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	1	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	9	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	9	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	9	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	15	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	15	0.76
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	15	0.76
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	13	0.76
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	13	0.76
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	13	0.76
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	6	0.76
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	6	0.76
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	6	0.76
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	11	0.76
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	11	0.76
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	11	0.76
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	12	0.76
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	12	0.76
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	1	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	1	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	1	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	2	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	2	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	2	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	3	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	3	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	3	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	4	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	4	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	4	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	6	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	6	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	6	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	7	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	7	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	7	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	8	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	8	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	8	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	9	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	9	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	9	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	10	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	10	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	10	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	12	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	12	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	12	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	13	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	13	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	13	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	15	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	15	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	15	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	17	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	17	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	17	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	18	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	18	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	19	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	19	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	19	0.76
(2,211)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	20	0.76
(2,211)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	20	0.76
(2,211)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	20	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	16	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	16	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	16	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD11	17	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD12	17	0.76
(2,210)	1:35:A:ILE:HB	1:35:A:ILE:HD13	17	0.76
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	1	0.76
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	1	0.76
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	1	0.76
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	6	0.76
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	6	0.76
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	6	0.76
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	9	0.76
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	9	0.76
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	9	0.76
(2,197)	1:34:A:LEU:HD11	1:34:A:LEU:HG	17	0.76
(2,197)	1:34:A:LEU:HD12	1:34:A:LEU:HG	17	0.76
(2,197)	1:34:A:LEU:HD13	1:34:A:LEU:HG	17	0.76
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	18	0.76
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	18	0.76
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	18	0.76
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	7	0.76
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	7	0.76
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	7	0.76
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	17	0.76
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	1	0.76
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	3	0.76
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	5	0.76
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	4	0.76
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	4	0.76
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	4	0.76
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	3	0.76
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	3	0.76
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	3	0.76
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	3	0.76
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	3	0.76
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	3	0.76
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	3	0.76
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	3	0.76
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	15	0.76
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	4	0.76
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	4	0.76
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	4	0.76
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	1	0.76
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	16	0.76
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	16	0.76
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	16	0.76
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	13	0.76
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	13	0.76
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	13	0.76
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	13	0.76
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	13	0.76
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	13	0.76
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	13	0.76
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	13	0.76
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	13	0.76
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	4	0.76
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	4	0.76
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	4	0.76
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	20	0.76
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	9	0.76
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	9	0.76
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	9	0.76
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	10	0.76
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	2	0.76
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	2	0.76
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	2	0.76
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	17	0.76
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	17	0.76
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	17	0.76
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	1	0.76
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	15	0.76
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG11	12	0.76
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG12	12	0.76
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG13	12	0.76
(1,472)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	11	0.76
(1,472)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	11	0.76
(1,345)	1:71:A:LYS:H	1:66:A:LEU:HB2	17	0.76
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD21	12	0.76
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD22	12	0.76
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD23	12	0.76
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	7	0.75
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	7	0.75
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	7	0.75
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	10	0.75
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	10	0.75
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	10	0.75
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	8	0.75
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	5	0.75
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	5	0.75
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	5	0.75
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	19	0.75
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	19	0.75
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	19	0.75
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	5	0.75
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	15	0.75
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	15	0.75
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	15	0.75
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	9	0.75
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	19	0.75
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	19	0.75
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	19	0.75
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	15	0.75
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	10	0.75
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	8	0.75
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	8	0.75
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	8	0.75
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	6	0.75
(2,2453)	1:28:A:TRP:HB3	1:77:A:GLU:H	13	0.75
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	3	0.75
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	16	0.75
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	2	0.75
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	3	0.75
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	3	0.75
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	3	0.75
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	14	0.75
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	2	0.75
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	2	0.75
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	16	0.75
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	7	0.75
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	19	0.75
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	1	0.75
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	12	0.75
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	16	0.75
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	11	0.75
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	1	0.75
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	17	0.75
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	12	0.75
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	5	0.75
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	9	0.75
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	9	0.75
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	9	0.75
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	12	0.75
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	12	0.75
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	12	0.75
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	12	0.75
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	16	0.75
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	20	0.75
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	6	0.75
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	10	0.75
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	3	0.75
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	4	0.75
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	10	0.75
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	13	0.75
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	14	0.75
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	8	0.75
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	8	0.75
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	8	0.75
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	12	0.75
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	12	0.75
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	12	0.75
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	14	0.75
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	14	0.75
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	14	0.75
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	3	0.75
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	3	0.75
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	3	0.75
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	18	0.75
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	18	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	1	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	1	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	1	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	12	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	12	0.75
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	12	0.75
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	6	0.75
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	10	0.75
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	10	0.75
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	10	0.75
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	16	0.75
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	16	0.75
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	16	0.75
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	4	0.75
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	16	0.75
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	16	0.75
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	16	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	1	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	2	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	3	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	5	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	6	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	7	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	8	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	9	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	11	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	12	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	14	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	16	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	19	0.75
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	20	0.75
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	6	0.75
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	4	0.75
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	4	0.75
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	4	0.75
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	11	0.75
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	6	0.75
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	19	0.75
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	5	0.75
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	5	0.75
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	8	0.75
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	15	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	2	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	8	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	9	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	11	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	14	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	15	0.75
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	19	0.75
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	18	0.75
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	15	0.75
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	13	0.75
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	13	0.75
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	13	0.75
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	16	0.75
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	16	0.75
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	16	0.75
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	16	0.75
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	16	0.75
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	16	0.75
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	3	0.75
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	19	0.75
(2,1166)	1:76:A:LEU:HD21	1:104:A:LYS:HA	12	0.75
(2,1166)	1:76:A:LEU:HD22	1:104:A:LYS:HA	12	0.75
(2,1166)	1:76:A:LEU:HD23	1:104:A:LYS:HA	12	0.75
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	10	0.75
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	14	0.75
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	3	0.75
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	7	0.75
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	10	0.75
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	15	0.75
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	11	0.75
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	9	0.75
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	11	0.75
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	13	0.75
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	14	0.75
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	14	0.75
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	14	0.75
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	20	0.75
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	20	0.75
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	20	0.75
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	18	0.75
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	18	0.75
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	18	0.75
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	12	0.75
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	12	0.75
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	12	0.75
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	17	0.75
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	17	0.75
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	17	0.75
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	3	0.75
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	2	0.75
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	20	0.75
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	20	0.75
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	20	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	3	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	8	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	12	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	13	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	18	0.75
(2,1000)	1:98:A:LEU:HB3	1:98:A:LEU:HA	19	0.75
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	2	0.75
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	9	0.75
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	20	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	1	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	6	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	7	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	8	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	10	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	11	0.75
(2,984)	1:96:A:LYS:HA	1:96:A:LYS:HB2	14	0.75
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	16	0.75
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	2	0.75
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	14	0.75
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	15	0.75
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	19	0.75
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	1	0.75
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	1	0.75
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	1	0.75
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	2	0.75
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	10	0.75
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	12	0.75
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	20	0.75
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	9	0.75
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	11	0.75
(2,850)	1:84:A:LYS:H	1:83:A:ASP:HB2	7	0.75
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	16	0.75
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	19	0.75
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	13	0.75
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	13	0.75
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	13	0.75
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.75
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.75
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.75
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.75
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.75
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.75
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.75
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.75
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.75
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	5	0.75
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	14	0.75
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	5	0.75
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	5	0.75
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	5	0.75
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	19	0.75
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	19	0.75
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	19	0.75
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	5	0.75
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	13	0.75
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	2	0.75
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	3	0.75
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	17	0.75
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	19	0.75
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	9	0.75
(2,673)	1:102:A:ILE:HG21	1:102:A:ILE:HA	8	0.75
(2,673)	1:102:A:ILE:HG22	1:102:A:ILE:HA	8	0.75
(2,673)	1:102:A:ILE:HG23	1:102:A:ILE:HA	8	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	1	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	1	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	1	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	3	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	3	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	4	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	4	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	4	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	5	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	5	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	5	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	6	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	6	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	6	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	7	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	7	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	7	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	8	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	8	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	8	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	10	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	10	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	10	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	11	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	11	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	11	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	12	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	12	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	12	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	13	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	13	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	13	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	14	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	14	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	14	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	15	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	15	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	15	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	16	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	16	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	16	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	17	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	17	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	17	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	18	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	18	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	19	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	19	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	19	0.75
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	20	0.75
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	20	0.75
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	20	0.75
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	1	0.75
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	12	0.75
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	18	0.75
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	5	0.75
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	5	0.75
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	8	0.75
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	15	0.75
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	20	0.75
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	3	0.75
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	4	0.75
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	5	0.75
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	17	0.75
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	20	0.75
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	19	0.75
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	11	0.75
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	14	0.75
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	17	0.75
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	3	0.75
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	4	0.75
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	12	0.75
(2,479)	1:62:A:ILE:H	1:62:A:ILE:HB	18	0.75
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	6	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	11	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	11	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	11	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	14	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	14	0.75
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	14	0.75
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	6	0.75
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	8	0.75
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	15	0.75
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	15	0.75
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	19	0.75
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	16	0.75
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	17	0.75
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	9	0.75
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	9	0.75
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	3	0.75
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	14	0.75
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	16	0.75
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	9	0.75
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	14	0.75
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	6	0.75
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	6	0.75
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	6	0.75
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	13	0.75
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	9	0.75
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	9	0.75
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	9	0.75
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	18	0.75
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	18	0.75
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	18	0.75
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	19	0.75
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	19	0.75
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	19	0.75
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	19	0.75
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	19	0.75
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	19	0.75
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	19	0.75
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	19	0.75
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	19	0.75
(2,285)	1:42:A:ALA:HA	1:47:A:LEU:H	12	0.75
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	17	0.75
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	17	0.75
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	17	0.75
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	18	0.75
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	12	0.75
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	19	0.75
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	19	0.75
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	19	0.75
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	1	0.75
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	7	0.75
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	4	0.75
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	4	0.75
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	4	0.75
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	4	0.75
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	12	0.75
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	12	0.75
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	16	0.75
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	14	0.75
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	3	0.75
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	15	0.75
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	15	0.75
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	15	0.75
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	15	0.75
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	15	0.75
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	15	0.75
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	15	0.75
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	15	0.75
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	15	0.75
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	3	0.75
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	3	0.75
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	3	0.75
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	1	0.75
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	7	0.75
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	14	0.75
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG21	2	0.75
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG22	2	0.75
(2,65)	1:25:A:VAL:HA	1:25:A:VAL:HG23	2	0.75
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	8	0.75
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	18	0.75
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	10	0.75
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	3	0.75
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	3	0.75
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	3	0.75
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	3	0.75
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	3	0.75
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	3	0.75
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	3	0.75
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	3	0.75
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	3	0.75
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	7	0.75
(2,6)	1:23:A:LEU:HA	1:24:A:LEU:H	15	0.75
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD21	19	0.75
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD22	19	0.75
(1,2061)	1:49:A:LEU:H	1:24:A:LEU:HD23	19	0.75
(1,1490)	1:115:A:ILE:H	1:41:A:MET:HG2	12	0.75
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:91:A:LYS:H	1:91:A:LYS:HE2	7	0.75
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	16	0.75
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	8	0.75
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	18	0.75
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	19	0.75
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	12	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	13	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	13	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	13	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	15	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	15	0.75
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	15	0.75
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	9	0.74
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	9	0.74
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	9	0.74
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	1	0.74
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	5	0.74
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	5	0.74
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	5	0.74
(2,2740)	1:105:A:VAL:HG11	1:112:A:LYS:H	16	0.74
(2,2740)	1:105:A:VAL:HG12	1:112:A:LYS:H	16	0.74
(2,2740)	1:105:A:VAL:HG13	1:112:A:LYS:H	16	0.74
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	14	0.74
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	14	0.74
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	14	0.74
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	10	0.74
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	4	0.74
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	4	0.74
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	4	0.74
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	12	0.74
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	12	0.74
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	12	0.74
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	17	0.74
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	17	0.74
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	17	0.74
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	20	0.74
(2,2575)	1:89:A:ILE:HG21	1:88:A:GLU:H	16	0.74
(2,2575)	1:89:A:ILE:HG22	1:88:A:GLU:H	16	0.74
(2,2575)	1:89:A:ILE:HG23	1:88:A:GLU:H	16	0.74
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	1	0.74
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	1	0.74
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	18	0.74
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	9	0.74
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	9	0.74
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	9	0.74
(2,2383)	1:63:A:LEU:HD11	1:64:A:LYS:H	1	0.74
(2,2383)	1:63:A:LEU:HD12	1:64:A:LYS:H	1	0.74
(2,2383)	1:63:A:LEU:HD13	1:64:A:LYS:H	1	0.74
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	18	0.74
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	18	0.74
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	18	0.74
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	7	0.74
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	7	0.74
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	7	0.74
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	2	0.74
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	9	0.74
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	9	0.74
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	9	0.74
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	13	0.74
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	13	0.74
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	13	0.74
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	6	0.74
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	11	0.74
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	11	0.74
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	11	0.74
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE1	20	0.74
(2,2170)	1:118:A:PHE:H	1:118:A:PHE:HE2	20	0.74
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	12	0.74
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	7	0.74
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	8	0.74
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	19	0.74
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	8	0.74
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	3	0.74
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	10	0.74
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	5	0.74
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	17	0.74
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	11	0.74
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	2	0.74
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	14	0.74
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	17	0.74
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	7	0.74
(2,1782)	1:59:A:ILE:HA	1:59:A:ILE:H	4	0.74
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	15	0.74
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	15	0.74
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	12	0.74
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	20	0.74
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	12	0.74
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	19	0.74
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	10	0.74
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	5	0.74
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	6	0.74
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	20	0.74
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	8	0.74
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	9	0.74
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	7	0.74
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	7	0.74
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	7	0.74
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	7	0.74
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	7	0.74
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	7	0.74
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	7	0.74
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	7	0.74
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	7	0.74
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	8	0.74
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	8	0.74
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	8	0.74
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	12	0.74
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	18	0.74
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	17	0.74
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	17	0.74
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	17	0.74
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	11	0.74
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	8	0.74
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	8	0.74
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	8	0.74
(2,1422)	1:118:A:PHE:HB3	1:118:A:PHE:H	10	0.74
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	18	0.74
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	18	0.74
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	18	0.74
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	13	0.74
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	13	0.74
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	13	0.74
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	13	0.74
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	13	0.74
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	13	0.74
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	13	0.74
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	13	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	4	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	10	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	13	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	15	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	17	0.74
(2,1371)	1:115:A:ILE:HA	1:115:A:ILE:HB	18	0.74
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	20	0.74
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	2	0.74
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	4	0.74
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	4	0.74
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	6	0.74
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	13	0.74
(2,1251)	1:108:A:PRO:HG2	1:108:A:PRO:HD2	17	0.74
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	17	0.74
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	17	0.74
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	17	0.74
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	15	0.74
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	15	0.74
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	15	0.74
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	1	0.74
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	1	0.74
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	1	0.74
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	14	0.74
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	14	0.74
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	14	0.74
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	6	0.74
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	15	0.74
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	10	0.74
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	11	0.74
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	19	0.74
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	1	0.74
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	3	0.74
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	4	0.74
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	7	0.74
(2,1140)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	14	0.74
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	10	0.74
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	13	0.74
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	18	0.74
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	18	0.74
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	18	0.74
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	1	0.74
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	9	0.74
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	16	0.74
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	9	0.74
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	9	0.74
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	9	0.74
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	20	0.74
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	7	0.74
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	20	0.74
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	18	0.74
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	20	0.74
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	12	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	1	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	4	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	6	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	7	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	8	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	9	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	11	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	13	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	17	0.74
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	18	0.74
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	11	0.74
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	14	0.74
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	19	0.74
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	11	0.74
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	17	0.74
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	13	0.74
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	13	0.74
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	13	0.74
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	13	0.74
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	13	0.74
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	13	0.74
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	13	0.74
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	13	0.74
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	13	0.74
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	9	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	1	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	7	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	10	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	12	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	14	0.74
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	17	0.74
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	3	0.74
(2,892)	1:86:A:LYS:HA	1:86:A:LYS:HD2	3	0.74
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	16	0.74
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	16	0.74
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	16	0.74
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	7	0.74
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	11	0.74
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	3	0.74
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	17	0.74
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	7	0.74
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	7	0.74
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	7	0.74
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	9	0.74
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	14	0.74
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	14	0.74
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	14	0.74
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.74
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.74
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.74
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.74
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.74
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.74
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	10	0.74
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	10	0.74
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	10	0.74
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	10	0.74
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	10	0.74
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	10	0.74
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	10	0.74
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	10	0.74
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	10	0.74
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	1	0.74
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	1	0.74
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	1	0.74
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	1	0.74
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	10	0.74
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	10	0.74
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	20	0.74
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	4	0.74
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	20	0.74
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	6	0.74
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	6	0.74
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	6	0.74
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	13	0.74
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	13	0.74
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	13	0.74
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	13	0.74
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	18	0.74
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	18	0.74
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	18	0.74
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	12	0.74
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	12	0.74
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	12	0.74
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	20	0.74
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	20	0.74
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	20	0.74
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	11	0.74
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	11	0.74
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	11	0.74
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	2	0.74
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	2	0.74
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	2	0.74
(2,656)	1:72:A:ILE:HG21	1:72:A:ILE:HB	9	0.74
(2,656)	1:72:A:ILE:HG22	1:72:A:ILE:HB	9	0.74
(2,656)	1:72:A:ILE:HG23	1:72:A:ILE:HB	9	0.74
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	8	0.74
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	5	0.74
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	5	0.74
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	5	0.74
(2,610)	1:70:A:VAL:HG21	1:70:A:VAL:H	2	0.74
(2,610)	1:70:A:VAL:HG22	1:70:A:VAL:H	2	0.74
(2,610)	1:70:A:VAL:HG23	1:70:A:VAL:H	2	0.74
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	9	0.74
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	10	0.74
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	20	0.74
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	20	0.74
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	20	0.74
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	1	0.74
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	6	0.74
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	7	0.74
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	12	0.74
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	13	0.74
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	18	0.74
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	1	0.74
(2,567)	1:68:A:PRO:HB3	1:68:A:PRO:HA	2	0.74
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	7	0.74
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	20	0.74
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	2	0.74
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	10	0.74
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	20	0.74
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	5	0.74
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	7	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	1	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	1	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	1	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	2	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	2	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	2	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	3	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	3	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	3	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	4	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	4	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	4	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	5	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	5	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	5	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	6	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	6	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	6	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	7	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	7	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	7	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	8	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	8	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	8	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	9	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	9	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	10	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	10	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	10	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	12	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	12	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	12	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	13	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	13	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	13	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	15	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	15	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	15	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	16	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	16	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	16	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	17	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	17	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	17	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	18	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	18	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	18	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	19	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	19	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	19	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG21	20	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG22	20	0.74
(2,461)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.74
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	17	0.74
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	13	0.74
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	14	0.74
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	4	0.74
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	11	0.74
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	14	0.74
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	10	0.74
(2,392)	1:50:A:LEU:HD11	1:51:A:THR:H	9	0.74
(2,392)	1:50:A:LEU:HD12	1:51:A:THR:H	9	0.74
(2,392)	1:50:A:LEU:HD13	1:51:A:THR:H	9	0.74
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	2	0.74
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	13	0.74
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	19	0.74
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	16	0.74
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	3	0.74
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	3	0.74
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	5	0.74
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	5	0.74
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	5	0.74
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	10	0.74
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	10	0.74
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	10	0.74
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	10	0.74
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	10	0.74
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	10	0.74
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	10	0.74
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	10	0.74
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	10	0.74
(2,338)	1:49:A:LEU:HD21	1:49:A:LEU:HA	15	0.74
(2,338)	1:49:A:LEU:HD22	1:49:A:LEU:HA	15	0.74
(2,338)	1:49:A:LEU:HD23	1:49:A:LEU:HA	15	0.74
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	4	0.74
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	2	0.74
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	6	0.74
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	17	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	15	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	15	0.74
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	15	0.74
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	8	0.74
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	8	0.74
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	8	0.74
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	2	0.74
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	2	0.74
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	2	0.74
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	2	0.74
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	15	0.74
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	15	0.74
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	15	0.74
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	7	0.74
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	2	0.74
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	11	0.74
(2,129)	1:29:A:SER:HA	1:30:A:ASN:H	12	0.74
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	14	0.74
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	15	0.74
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	15	0.74
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	17	0.74
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	17	0.74
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	17	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	5	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	5	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	5	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	10	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	10	0.74
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	10	0.74
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	4	0.74
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	6	0.74
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	6	0.74
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	6	0.74
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	11	0.74
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	12	0.74
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	7	0.74
(2,47)	1:98:A:LEU:HD11	1:63:A:LEU:HB2	8	0.74
(2,47)	1:98:A:LEU:HD12	1:63:A:LEU:HB2	8	0.74
(2,47)	1:98:A:LEU:HD13	1:63:A:LEU:HB2	8	0.74
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	6	0.74
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	6	0.74
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	6	0.74
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	4	0.74
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	4	0.74
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	4	0.74
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	4	0.74
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	4	0.74
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	4	0.74
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	4	0.74
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	4	0.74
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	4	0.74
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	18	0.74
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	18	0.74
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	18	0.74
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	12	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	13	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	13	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	13	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	18	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	18	0.74
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	18	0.74
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	7	0.74
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	13	0.74
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	2	0.74
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	20	0.74
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD21	12	0.74
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD22	12	0.74
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD23	12	0.74
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	15	0.74
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	9	0.74
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	3	0.74
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	3	0.74
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	3	0.74
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	3	0.74
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	3	0.74
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	3	0.74
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	3	0.74
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	3	0.74
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	3	0.74
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	3	0.73
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	3	0.73
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	3	0.73
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	17	0.73
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	4	0.73
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	15	0.73
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	15	0.73
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	15	0.73
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	9	0.73
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	1	0.73
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	1	0.73
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	1	0.73
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	19	0.73
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	19	0.73
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	19	0.73
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	17	0.73
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	6	0.73
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	16	0.73
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	16	0.73
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	16	0.73
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	4	0.73
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	4	0.73
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	14	0.73
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	19	0.73
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	19	0.73
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	1	0.73
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	1	0.73
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	1	0.73
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	20	0.73
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	20	0.73
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	20	0.73
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	4	0.73
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	4	0.73
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	4	0.73
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	5	0.73
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	5	0.73
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	5	0.73
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	19	0.73
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	3	0.73
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	3	0.73
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	3	0.73
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	10	0.73
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	10	0.73
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	10	0.73
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	5	0.73
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	12	0.73
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	20	0.73
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	10	0.73
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	10	0.73
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	10	0.73
(2,2176)	1:29:A:SER:HB2	1:30:A:ASN:H	19	0.73
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	17	0.73
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	5	0.73
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	10	0.73
(2,2080)	1:94:A:ARG:H	1:94:A:ARG:HD2	7	0.73
(2,2080)	1:94:A:ARG:H	1:94:A:ARG:HD2	15	0.73
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	8	0.73
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	2	0.73
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	5	0.73
(2,1977)	1:39:A:ARG:HD2	1:39:A:ARG:H	2	0.73
(2,1976)	1:39:A:ARG:HG2	1:39:A:ARG:H	10	0.73
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	12	0.73
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	3	0.73
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	10	0.73
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	13	0.73
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	13	0.73
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	12	0.73
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	5	0.73
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	19	0.73
(2,1556)	1:58:A:LYS:H	1:58:A:LYS:HB2	16	0.73
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	6	0.73
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	10	0.73
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	12	0.73
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	15	0.73
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	17	0.73
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	15	0.73
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	4	0.73
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	17	0.73
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	2	0.73
(2,1520)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	14	0.73
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	20	0.73
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	20	0.73
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	20	0.73
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	20	0.73
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	20	0.73
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	20	0.73
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	20	0.73
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	20	0.73
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	20	0.73
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	16	0.73
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	16	0.73
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	16	0.73
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	19	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	4	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	4	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	4	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	11	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	11	0.73
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	11	0.73
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	5	0.73
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	8	0.73
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	4	0.73
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	4	0.73
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	4	0.73
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	9	0.73
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	8	0.73
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	8	0.73
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	13	0.73
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	17	0.73
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	12	0.73
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	14	0.73
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	9	0.73
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	1	0.73
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	1	0.73
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	1	0.73
(2,1216)	1:105:A:VAL:HG11	1:75:A:LEU:HA	15	0.73
(2,1216)	1:105:A:VAL:HG12	1:75:A:LEU:HA	15	0.73
(2,1216)	1:105:A:VAL:HG13	1:75:A:LEU:HA	15	0.73
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	4	0.73
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	14	0.73
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	6	0.73
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	12	0.73
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	6	0.73
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	11	0.73
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	16	0.73
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	19	0.73
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	10	0.73
(2,1137)	1:103:A:ARG:HB2	1:103:A:ARG:HG2	15	0.73
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	14	0.73
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	14	0.73
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	14	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	4	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	6	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	7	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	8	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	13	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	14	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	15	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	17	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	18	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	19	0.73
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	20	0.73
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	14	0.73
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	1	0.73
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	5	0.73
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	4	0.73
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1037)	1:99:A:PRO:HD3	1:98:A:LEU:HB3	16	0.73
(2,964)	1:92:A:LYS:HA	1:92:A:LYS:HB2	16	0.73
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	1	0.73
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	8	0.73
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	12	0.73
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	8	0.73
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	8	0.73
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	8	0.73
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	8	0.73
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	8	0.73
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	8	0.73
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	8	0.73
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	8	0.73
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	8	0.73
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	5	0.73
(2,909)	1:86:A:LYS:HD2	1:86:A:LYS:HE3	2	0.73
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	5	0.73
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	5	0.73
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	5	0.73
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	12	0.73
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	18	0.73
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	15	0.73
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	16	0.73
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	12	0.73
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.73
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.73
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.73
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.73
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.73
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.73
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.73
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.73
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.73
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	8	0.73
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	19	0.73
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	20	0.73
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	12	0.73
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	12	0.73
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	12	0.73
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	4	0.73
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	15	0.73
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	3	0.73
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	3	0.73
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	18	0.73
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	18	0.73
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	18	0.73
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	9	0.73
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	9	0.73
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	9	0.73
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	9	0.73
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	9	0.73
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	9	0.73
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	9	0.73
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	9	0.73
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	9	0.73
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	12	0.73
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	1	0.73
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	7	0.73
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	16	0.73
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	9	0.73
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	9	0.73
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	9	0.73
(2,719)	1:102:A:ILE:HA	1:74:A:VAL:HB	18	0.73
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	2	0.73
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	8	0.73
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	15	0.73
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	17	0.73
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	16	0.73
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	16	0.73
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	16	0.73
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	16	0.73
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	16	0.73
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	16	0.73
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	4	0.73
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	4	0.73
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	4	0.73
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	10	0.73
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	10	0.73
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	10	0.73
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	8	0.73
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	8	0.73
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	8	0.73
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	3	0.73
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	2	0.73
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	6	0.73
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	10	0.73
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	10	0.73
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	10	0.73
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	8	0.73
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	8	0.73
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	8	0.73
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	8	0.73
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	10	0.73
(2,579)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	19	0.73
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	2	0.73
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	16	0.73
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	16	0.73
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	16	0.73
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	6	0.73
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	19	0.73
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	19	0.73
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	19	0.73
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	2	0.73
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	8	0.73
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	9	0.73
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	10	0.73
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	16	0.73
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	13	0.73
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	14	0.73
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	6	0.73
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	10	0.73
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	8	0.73
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	10	0.73
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	20	0.73
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	17	0.73
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	9	0.73
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	18	0.73
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	18	0.73
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	18	0.73
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	13	0.73
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	13	0.73
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	13	0.73
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	13	0.73
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	5	0.73
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	9	0.73
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	15	0.73
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	18	0.73
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	1	0.73
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	9	0.73
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	9	0.73
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	9	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	9	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	9	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	9	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	9	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	9	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	9	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	9	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	9	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	9	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	12	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	12	0.73
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	12	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	12	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	12	0.73
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	12	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	12	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	12	0.73
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	12	0.73
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	16	0.73
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	16	0.73
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	16	0.73
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	19	0.73
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	16	0.73
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	10	0.73
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	16	0.73
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	12	0.73
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	15	0.73
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	8	0.73
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	13	0.73
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	2	0.73
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	2	0.73
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	2	0.73
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	5	0.73
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	5	0.73
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	9	0.73
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	9	0.73
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	9	0.73
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	9	0.73
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	9	0.73
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	9	0.73
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	9	0.73
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	9	0.73
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	9	0.73
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	1	0.73
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	10	0.73
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	17	0.73
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	19	0.73
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	20	0.73
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD11	14	0.73
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD12	14	0.73
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD13	14	0.73
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	5	0.73
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	20	0.73
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	20	0.73
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	20	0.73
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	14	0.73
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	14	0.73
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	14	0.73
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	18	0.73
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	7	0.73
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	6	0.73
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	11	0.73
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	7	0.73
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	17	0.73
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	5	0.73
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	11	0.73
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	3	0.73
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	3	0.73
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	3	0.73
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	3	0.73
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	3	0.73
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	3	0.73
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	3	0.73
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	3	0.73
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	6	0.73
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	6	0.73
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	6	0.73
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	9	0.73
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	9	0.73
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	9	0.73
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	15	0.73
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	15	0.73
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	15	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	4	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	4	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	4	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	12	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	12	0.73
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	12	0.73
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	20	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	2	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	3	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	10	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	16	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	17	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	18	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	19	0.73
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	20	0.73
(2,48)	1:98:A:LEU:HD11	1:63:A:LEU:HB3	8	0.73
(2,48)	1:98:A:LEU:HD12	1:63:A:LEU:HB3	8	0.73
(2,48)	1:98:A:LEU:HD13	1:63:A:LEU:HB3	8	0.73
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	9	0.73
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	9	0.73
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	9	0.73
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	9	0.73
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	9	0.73
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	9	0.73
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	9	0.73
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	9	0.73
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	9	0.73
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	10	0.73
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	10	0.73
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	10	0.73
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	14	0.73
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	14	0.73
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	13	0.73
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	12	0.73
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	18	0.73
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	18	0.73
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	18	0.73
(1,845)	1:112:A:LYS:HA	1:41:A:MET:HG3	12	0.73
(1,732)	1:103:A:ARG:HA	1:103:A:ARG:HD2	3	0.73
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	12	0.73
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	12	0.73
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	12	0.73
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	15	0.73
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	15	0.73
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	15	0.73
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	6	0.73
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	1	0.73
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG11	14	0.73
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG12	14	0.73
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG13	14	0.73
(1,297)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	3	0.73
(1,297)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	3	0.73
(1,297)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	3	0.73
(1,164)	1:44:A:LYS:HB2	1:41:A:MET:HA	19	0.73
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	3	0.73
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	3	0.73
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	3	0.73
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	3	0.73
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	3	0.73
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	3	0.73
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	3	0.73
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	3	0.73
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	3	0.73
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	19	0.72
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	19	0.72
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	19	0.72
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	9	0.72
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	9	0.72
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	9	0.72
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	14	0.72
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	14	0.72
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	14	0.72
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	10	0.72
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	10	0.72
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	6	0.72
(2,2663)	1:103:A:ARG:H	1:74:A:VAL:HB	16	0.72
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	3	0.72
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	6	0.72
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	3	0.72
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	20	0.72
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	8	0.72
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	2	0.72
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	2	0.72
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	2	0.72
(2,2409)	1:70:A:VAL:HG21	1:71:A:LYS:H	13	0.72
(2,2409)	1:70:A:VAL:HG22	1:71:A:LYS:H	13	0.72
(2,2409)	1:70:A:VAL:HG23	1:71:A:LYS:H	13	0.72
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	15	0.72
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	2	0.72
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	2	0.72
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	2	0.72
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	4	0.72
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	4	0.72
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	4	0.72
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	10	0.72
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	10	0.72
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	10	0.72
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	13	0.72
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	13	0.72
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	13	0.72
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	1	0.72
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	1	0.72
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	1	0.72
(2,2241)	1:35:A:ILE:HB	1:38:A:ALA:H	18	0.72
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	14	0.72
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	5	0.72
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	1	0.72
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	4	0.72
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	20	0.72
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	1	0.72
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	1	0.72
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	1	0.72
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	8	0.72
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	5	0.72
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	18	0.72
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	13	0.72
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	9	0.72
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	7	0.72
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	7	0.72
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	7	0.72
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	11	0.72
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	12	0.72
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	4	0.72
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	3	0.72
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	8	0.72
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	5	0.72
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	7	0.72
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	11	0.72
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	9	0.72
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	5	0.72
(2,1535)	1:53:A:GLU:HA	1:53:A:GLU:HB3	5	0.72
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	6	0.72
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	2	0.72
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	2	0.72
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	2	0.72
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	19	0.72
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	19	0.72
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	19	0.72
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	10	0.72
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	11	0.72
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	16	0.72
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	14	0.72
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	14	0.72
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	14	0.72
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	15	0.72
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	1	0.72
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	1	0.72
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	1	0.72
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	9	0.72
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	19	0.72
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	4	0.72
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	4	0.72
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	4	0.72
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	2	0.72
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	2	0.72
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	19	0.72
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	19	0.72
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	19	0.72
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	8	0.72
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	8	0.72
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	4	0.72
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	8	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	1	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	4	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	5	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	14	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	18	0.72
(2,1149)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	0.72
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	7	0.72
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	6	0.72
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	20	0.72
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	20	0.72
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	20	0.72
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	20	0.72
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	20	0.72
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	20	0.72
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	20	0.72
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	20	0.72
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	20	0.72
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	2	0.72
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	2	0.72
(2,1087)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	5	0.72
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	16	0.72
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	5	0.72
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	5	0.72
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	5	0.72
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	6	0.72
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	6	0.72
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	6	0.72
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	19	0.72
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	19	0.72
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	19	0.72
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	13	0.72
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	5	0.72
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	9	0.72
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	16	0.72
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	13	0.72
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	4	0.72
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	8	0.72
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	18	0.72
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	10	0.72
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	2	0.72
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	7	0.72
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	11	0.72
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	17	0.72
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	8	0.72
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	8	0.72
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	5	0.72
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	5	0.72
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	5	0.72
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	17	0.72
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	14	0.72
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.72
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.72
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.72
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	8	0.72
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	12	0.72
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	12	0.72
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	12	0.72
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	10	0.72
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	1	0.72
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	9	0.72
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	10	0.72
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	12	0.72
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	12	0.72
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	12	0.72
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	3	0.72
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	3	0.72
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	3	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	4	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	5	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	7	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	10	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	16	0.72
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	18	0.72
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	17	0.72
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	17	0.72
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	17	0.72
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	17	0.72
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	17	0.72
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	17	0.72
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	17	0.72
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	17	0.72
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	1	0.72
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	1	0.72
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	1	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	1	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	1	0.72
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	1	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	1	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	1	0.72
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	1	0.72
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	1	0.72
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	1	0.72
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	1	0.72
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	10	0.72
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	10	0.72
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	10	0.72
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	2	0.72
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	2	0.72
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	2	0.72
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	3	0.72
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	3	0.72
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	3	0.72
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	17	0.72
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	16	0.72
(2,643)	1:73:A:LEU:H	1:72:A:ILE:HA	12	0.72
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	9	0.72
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	17	0.72
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	17	0.72
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	17	0.72
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	4	0.72
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	16	0.72
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	20	0.72
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	4	0.72
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	4	0.72
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	4	0.72
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	9	0.72
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	9	0.72
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	10	0.72
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	10	0.72
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	10	0.72
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	2	0.72
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	2	0.72
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	2	0.72
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	3	0.72
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	4	0.72
(2,503)	1:63:A:LEU:HB2	1:63:A:LEU:HA	11	0.72
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	13	0.72
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	14	0.72
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	19	0.72
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	12	0.72
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	10	0.72
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	9	0.72
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	9	0.72
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	9	0.72
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	11	0.72
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	3	0.72
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	13	0.72
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	1	0.72
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	18	0.72
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	2	0.72
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	13	0.72
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	3	0.72
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	3	0.72
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	3	0.72
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	8	0.72
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	12	0.72
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	18	0.72
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	15	0.72
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	15	0.72
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	15	0.72
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	5	0.72
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	9	0.72
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	12	0.72
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	1	0.72
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	9	0.72
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	15	0.72
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	14	0.72
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	14	0.72
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	14	0.72
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	14	0.72
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	14	0.72
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	14	0.72
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	14	0.72
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	14	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	13	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	13	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	13	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	15	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	15	0.72
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	15	0.72
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	16	0.72
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	11	0.72
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	11	0.72
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	11	0.72
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	11	0.72
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	11	0.72
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	11	0.72
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	11	0.72
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	11	0.72
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	11	0.72
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	10	0.72
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	1	0.72
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	12	0.72
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	13	0.72
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	18	0.72
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	2	0.72
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	7	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	1	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	1	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	1	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	3	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	3	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	3	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	8	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	8	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	8	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	15	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	15	0.72
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	8	0.72
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	16	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	1	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	4	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	5	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	8	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	9	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	11	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	13	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	14	0.72
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	15	0.72
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	18	0.72
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	18	0.72
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	18	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	4	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	4	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	4	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	10	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	10	0.72
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	10	0.72
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	7	0.72
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	19	0.72
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	19	0.72
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	19	0.72
(1,936)	1:47:A:LEU:HD11	1:119:A:SER:HB2	10	0.72
(1,936)	1:47:A:LEU:HD12	1:119:A:SER:HB2	10	0.72
(1,936)	1:47:A:LEU:HD13	1:119:A:SER:HB2	10	0.72
(1,721)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	7	0.72
(1,721)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	7	0.72
(1,721)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	7	0.72
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	13	0.72
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	12	0.72
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	12	0.72
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	12	0.72
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	15	0.72
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	15	0.72
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	15	0.72
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG11	14	0.72
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG12	14	0.72
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG13	14	0.72
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	20	0.72
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	20	0.72
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	11	0.71
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	11	0.71
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	11	0.71
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	2	0.71
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	2	0.71
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	2	0.71
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	6	0.71
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	6	0.71
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	6	0.71
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	16	0.71
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	16	0.71
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	16	0.71
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	8	0.71
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	8	0.71
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	8	0.71
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	7	0.71
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	7	0.71
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	7	0.71
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	11	0.71
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	11	0.71
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	11	0.71
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	12	0.71
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	5	0.71
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	5	0.71
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	5	0.71
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	19	0.71
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	12	0.71
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	14	0.71
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	14	0.71
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	10	0.71
(2,2374)	1:59:A:ILE:HA	1:63:A:LEU:H	14	0.71
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	9	0.71
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	9	0.71
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	9	0.71
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	9	0.71
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	14	0.71
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	10	0.71
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	10	0.71
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	10	0.71
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	12	0.71
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	12	0.71
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	6	0.71
(2,2194)	1:35:A:ILE:HG12	1:34:A:LEU:H	15	0.71
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	9	0.71
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	12	0.71
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	12	0.71
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	12	0.71
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	17	0.71
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	17	0.71
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	17	0.71
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	17	0.71
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	17	0.71
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	19	0.71
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	19	0.71
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	19	0.71
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	18	0.71
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	1	0.71
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	6	0.71
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	9	0.71
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	19	0.71
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	12	0.71
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	12	0.71
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	12	0.71
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	15	0.71
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	8	0.71
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	15	0.71
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	8	0.71
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	6	0.71
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	10	0.71
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	19	0.71
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	16	0.71
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	17	0.71
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	19	0.71
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	20	0.71
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	13	0.71
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	5	0.71
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	9	0.71
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	5	0.71
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	2	0.71
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	14	0.71
(2,1531)	1:89:A:ILE:HG12	1:89:A:ILE:HA	16	0.71
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	13	0.71
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	13	0.71
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	13	0.71
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	3	0.71
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	4	0.71
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	16	0.71
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	2	0.71
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	17	0.71
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	17	0.71
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	17	0.71
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	13	0.71
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	7	0.71
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	7	0.71
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	7	0.71
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	7	0.71
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	7	0.71
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	7	0.71
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	7	0.71
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	7	0.71
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	7	0.71
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	20	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	1	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	2	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	3	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	4	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	5	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	6	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	7	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	8	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	9	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	10	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	11	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	13	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	15	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	16	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	17	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	18	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	19	0.71
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	20	0.71
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	9	0.71
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	7	0.71
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	7	0.71
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	10	0.71
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	10	0.71
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	10	0.71
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	13	0.71
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	13	0.71
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	13	0.71
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	13	0.71
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	15	0.71
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	4	0.71
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	15	0.71
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	6	0.71
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	6	0.71
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	6	0.71
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	6	0.71
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	6	0.71
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	6	0.71
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	6	0.71
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	6	0.71
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	6	0.71
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	4	0.71
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	4	0.71
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	4	0.71
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	1	0.71
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	5	0.71
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	8	0.71
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	18	0.71
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	7	0.71
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	7	0.71
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	7	0.71
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	9	0.71
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	11	0.71
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	3	0.71
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	14	0.71
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	5	0.71
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	14	0.71
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	12	0.71
(2,1030)	1:99:A:PRO:HD3	1:99:A:PRO:HA	16	0.71
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	2	0.71
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	2	0.71
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	15	0.71
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	17	0.71
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	2	0.71
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	4	0.71
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	17	0.71
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	1	0.71
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	1	0.71
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	1	0.71
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	4	0.71
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	6	0.71
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	10	0.71
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	19	0.71
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	3	0.71
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	18	0.71
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	18	0.71
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	18	0.71
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	17	0.71
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	17	0.71
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	17	0.71
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	17	0.71
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	17	0.71
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	17	0.71
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	17	0.71
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	17	0.71
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	17	0.71
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	5	0.71
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	16	0.71
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	5	0.71
(2,798)	1:77:A:GLU:HB2	1:77:A:GLU:H	18	0.71
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	19	0.71
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	19	0.71
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	19	0.71
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.71
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.71
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.71
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.71
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.71
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.71
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.71
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.71
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.71
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	10	0.71
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	7	0.71
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	7	0.71
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	7	0.71
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	5	0.71
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	5	0.71
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	5	0.71
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	19	0.71
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	19	0.71
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	19	0.71
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	12	0.71
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	12	0.71
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	12	0.71
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	8	0.71
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	15	0.71
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	14	0.71
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	14	0.71
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	14	0.71
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	6	0.71
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	6	0.71
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	6	0.71
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	6	0.71
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	6	0.71
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	6	0.71
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	6	0.71
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	6	0.71
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	6	0.71
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	19	0.71
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	19	0.71
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	19	0.71
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	12	0.71
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	12	0.71
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	12	0.71
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	12	0.71
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	12	0.71
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	12	0.71
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	8	0.71
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	8	0.71
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	8	0.71
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	12	0.71
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	12	0.71
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	12	0.71
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	19	0.71
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	19	0.71
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	10	0.71
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	7	0.71
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	7	0.71
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	7	0.71
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	19	0.71
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	10	0.71
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	9	0.71
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	9	0.71
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	9	0.71
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	9	0.71
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	18	0.71
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	18	0.71
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	18	0.71
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	1	0.71
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	1	0.71
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	1	0.71
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	1	0.71
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	20	0.71
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	6	0.71
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	13	0.71
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	15	0.71
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	18	0.71
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	19	0.71
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	3	0.71
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	11	0.71
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	19	0.71
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	1	0.71
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	3	0.71
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	10	0.71
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	20	0.71
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	3	0.71
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	17	0.71
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	14	0.71
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	14	0.71
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	14	0.71
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	17	0.71
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	20	0.71
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	20	0.71
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	9	0.71
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	9	0.71
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	11	0.71
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	14	0.71
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	16	0.71
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	12	0.71
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	12	0.71
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	12	0.71
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	2	0.71
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	10	0.71
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	5	0.71
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	5	0.71
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	5	0.71
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	3	0.71
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	13	0.71
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	19	0.71
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	19	0.71
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	19	0.71
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	19	0.71
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	19	0.71
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	19	0.71
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	19	0.71
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	19	0.71
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	19	0.71
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	3	0.71
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	1	0.71
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	1	0.71
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	1	0.71
(2,208)	1:35:A:ILE:HB	1:35:A:ILE:H	15	0.71
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	5	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	1	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	1	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	1	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	2	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	2	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	2	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	3	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	3	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	3	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	4	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	4	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	4	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	5	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	5	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	6	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	6	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	6	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	7	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	7	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	7	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	8	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	8	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	8	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	9	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	9	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	9	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	10	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	10	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	10	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	11	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	11	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	11	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	12	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	12	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	12	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	13	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	13	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	13	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	14	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	14	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	14	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	15	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	15	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	15	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	16	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	16	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	16	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	17	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	17	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	17	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	18	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	18	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	18	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	19	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	19	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG21	20	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG22	20	0.71
(2,205)	1:35:A:ILE:HB	1:35:A:ILE:HG23	20	0.71
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	18	0.71
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	14	0.71
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	14	0.71
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	14	0.71
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	5	0.71
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	13	0.71
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	7	0.71
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	9	0.71
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	10	0.71
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	19	0.71
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	4	0.71
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	2	0.71
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	10	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	9	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	9	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	9	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	9	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	9	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	9	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	9	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	9	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	9	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	18	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	18	0.71
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	18	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	18	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	18	0.71
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	18	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	18	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	18	0.71
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	18	0.71
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	18	0.71
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	18	0.71
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	18	0.71
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	18	0.71
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	18	0.71
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	18	0.71
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	18	0.71
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	18	0.71
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	9	0.71
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	9	0.71
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	9	0.71
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	14	0.71
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	3	0.71
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	6	0.71
(2,54)	1:25:A:VAL:HA	1:25:A:VAL:H	12	0.71
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	9	0.71
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	9	0.71
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	9	0.71
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	7	0.71
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	7	0.71
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	7	0.71
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	8	0.71
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	8	0.71
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	8	0.71
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	8	0.71
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	8	0.71
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	8	0.71
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	8	0.71
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	8	0.71
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	8	0.71
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	16	0.71
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	16	0.71
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	16	0.71
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	7	0.71
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	17	0.71
(1,1608)	1:94:A:ARG:H	1:96:A:LYS:HB3	7	0.71
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	2	0.71
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	9	0.71
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	5	0.71
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	6	0.71
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	3	0.71
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	3	0.71
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	3	0.71
(1,623)	1:94:A:ARG:HA	1:94:A:ARG:HD2	4	0.71
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	11	0.71
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG11	15	0.71
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG12	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG13	15	0.71
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	20	0.71
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	6	0.71
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	6	0.71
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	6	0.71
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	16	0.71
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	7	0.71
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	13	0.71
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	13	0.71
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	13	0.71
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	19	0.7
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	4	0.7
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	17	0.7
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	17	0.7
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	17	0.7
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	6	0.7
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	6	0.7
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	6	0.7
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	9	0.7
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	9	0.7
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	9	0.7
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	13	0.7
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	12	0.7
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	3	0.7
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	3	0.7
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	3	0.7
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	6	0.7
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	6	0.7
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	6	0.7
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	6	0.7
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	19	0.7
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	18	0.7
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	18	0.7
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	18	0.7
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	8	0.7
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	12	0.7
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	17	0.7
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	6	0.7
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	6	0.7
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	6	0.7
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	3	0.7
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	1	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	15	0.7
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	4	0.7
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	9	0.7
(2,2336)	1:25:A:VAL:HB	1:50:A:LEU:H	20	0.7
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	7	0.7
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	16	0.7
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	16	0.7
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	16	0.7
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	1	0.7
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	9	0.7
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	10	0.7
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	19	0.7
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	2	0.7
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	5	0.7
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	5	0.7
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	5	0.7
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	8	0.7
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	8	0.7
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	8	0.7
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	10	0.7
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	10	0.7
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	10	0.7
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	18	0.7
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	8	0.7
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	19	0.7
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	4	0.7
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	16	0.7
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	5	0.7
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	6	0.7
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	8	0.7
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	12	0.7
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	16	0.7
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	17	0.7
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	8	0.7
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	5	0.7
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	16	0.7
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	3	0.7
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	13	0.7
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	15	0.7
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	20	0.7
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	4	0.7
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	5	0.7
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	3	0.7
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	5	0.7
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	5	0.7
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	5	0.7
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	6	0.7
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	6	0.7
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	6	0.7
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	10	0.7
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	10	0.7
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	10	0.7
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	6	0.7
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	11	0.7
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD1	10	0.7
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD2	10	0.7
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	19	0.7
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	19	0.7
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	19	0.7
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	10	0.7
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	10	0.7
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	10	0.7
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	19	0.7
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	12	0.7
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	8	0.7
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	8	0.7
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	8	0.7
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	9	0.7
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	6	0.7
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	9	0.7
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	8	0.7
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	8	0.7
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	8	0.7
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	8	0.7
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	1	0.7
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	17	0.7
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	10	0.7
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	14	0.7
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	1	0.7
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	9	0.7
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	9	0.7
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	9	0.7
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	5	0.7
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	16	0.7
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	19	0.7
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	2	0.7
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	2	0.7
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	2	0.7
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	12	0.7
(2,1237)	1:107:A:SER:HB2	1:107:A:SER:HB3	14	0.7
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	12	0.7
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	12	0.7
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	16	0.7
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	3	0.7
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	9	0.7
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	10	0.7
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	1	0.7
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	14	0.7
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	16	0.7
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	20	0.7
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	4	0.7
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	9	0.7
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	20	0.7
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	4	0.7
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	10	0.7
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	12	0.7
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	7	0.7
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	2	0.7
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	4	0.7
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	9	0.7
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	3	0.7
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	15	0.7
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	3	0.7
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	6	0.7
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	10	0.7
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	17	0.7
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	19	0.7
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	13	0.7
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	20	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	1	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	3	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	6	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	7	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	9	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	10	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	12	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	14	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	15	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	16	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	18	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	19	0.7
(2,945)	1:90:A:GLU:HB2	1:90:A:GLU:HG2	20	0.7
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	3	0.7
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	5	0.7
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	13	0.7
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	15	0.7
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	18	0.7
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	5	0.7
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	16	0.7
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	9	0.7
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	11	0.7
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	13	0.7
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	15	0.7
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	18	0.7
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	18	0.7
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	18	0.7
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	18	0.7
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	13	0.7
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	4	0.7
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	4	0.7
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	4	0.7
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	8	0.7
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	6	0.7
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	11	0.7
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	11	0.7
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	11	0.7
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	3	0.7
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	3	0.7
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	3	0.7
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	4	0.7
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	15	0.7
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	17	0.7
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	14	0.7
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	14	0.7
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	14	0.7
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	9	0.7
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	9	0.7
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	9	0.7
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	16	0.7
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	16	0.7
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	16	0.7
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	4	0.7
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	4	0.7
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	4	0.7
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	15	0.7
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	15	0.7
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	15	0.7
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	1	0.7
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	19	0.7
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	8	0.7
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	8	0.7
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	8	0.7
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	7	0.7
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	7	0.7
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	7	0.7
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	4	0.7
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	4	0.7
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	4	0.7
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	7	0.7
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	7	0.7
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	7	0.7
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	18	0.7
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	18	0.7
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	18	0.7
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	1	0.7
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	1	0.7
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	1	0.7
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	2	0.7
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	2	0.7
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	2	0.7
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	3	0.7
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	3	0.7
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	3	0.7
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	4	0.7
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	18	0.7
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	18	0.7
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	13	0.7
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	1	0.7
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	3	0.7
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	13	0.7
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	17	0.7
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	17	0.7
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	1	0.7
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	1	0.7
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	1	0.7
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	1	0.7
(2,505)	1:66:A:LEU:HD21	1:63:A:LEU:HB2	8	0.7
(2,505)	1:66:A:LEU:HD22	1:63:A:LEU:HB2	8	0.7
(2,505)	1:66:A:LEU:HD23	1:63:A:LEU:HB2	8	0.7
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	5	0.7
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	8	0.7
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	11	0.7
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	14	0.7
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	19	0.7
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	19	0.7
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	19	0.7
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	2	0.7
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	2	0.7
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	7	0.7
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	5	0.7
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	7	0.7
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	9	0.7
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	12	0.7
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	7	0.7
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	7	0.7
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	6	0.7
(2,329)	1:48:A:TYR:HA	1:48:A:TYR:HB3	1	0.7
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	11	0.7
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	18	0.7
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	18	0.7
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	18	0.7
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	18	0.7
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	18	0.7
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	18	0.7
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	18	0.7
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	18	0.7
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	3	0.7
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	7	0.7
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	9	0.7
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	9	0.7
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	9	0.7
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	20	0.7
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	20	0.7
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	20	0.7
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	4	0.7
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	16	0.7
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	16	0.7
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	16	0.7
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	16	0.7
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	16	0.7
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	16	0.7
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	16	0.7
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	16	0.7
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	16	0.7
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD11	11	0.7
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD12	11	0.7
(2,213)	1:35:A:ILE:HA	1:35:A:ILE:HD13	11	0.7
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	11	0.7
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	12	0.7
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	12	0.7
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	12	0.7
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	10	0.7
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	16	0.7
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	19	0.7
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	6	0.7
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	9	0.7
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	14	0.7
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	12	0.7
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	15	0.7
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	7	0.7
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	7	0.7
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	7	0.7
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	7	0.7
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	7	0.7
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	7	0.7
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	7	0.7
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	7	0.7
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	8	0.7
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	8	0.7
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	8	0.7
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	8	0.7
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	8	0.7
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	8	0.7
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	8	0.7
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	8	0.7
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	8	0.7
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	2	0.7
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	2	0.7
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	2	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	6	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	6	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	6	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	17	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	17	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	17	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	18	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	18	0.7
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	18	0.7
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	12	0.7
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	12	0.7
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	12	0.7
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	3	0.7
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	3	0.7
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	3	0.7
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	16	0.7
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	18	0.7
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	2	0.7
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	2	0.7
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	2	0.7
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	16	0.7
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	16	0.7
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	16	0.7
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	16	0.7
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	16	0.7
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	16	0.7
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	16	0.7
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	16	0.7
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	16	0.7
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	19	0.7
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	4	0.7
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	4	0.7
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	4	0.7
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	11	0.7
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	11	0.7
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	11	0.7
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	10	0.7
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	10	0.7
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	10	0.7
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	20	0.7
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	20	0.7
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	20	0.7
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	18	0.7
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	18	0.7
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	18	0.7
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	18	0.7
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	18	0.7
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	18	0.7
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	18	0.7
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	18	0.7
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	18	0.7
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	5	0.7
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	10	0.7
(1,968)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	9	0.7
(1,968)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	9	0.7
(1,968)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	9	0.7
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	6	0.7
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	11	0.7
(1,732)	1:103:A:ARG:HA	1:103:A:ARG:HD2	20	0.7
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	5	0.7
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	11	0.7
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	4	0.7
(1,298)	1:115:A:ILE:HG21	1:41:A:MET:HG3	16	0.7
(1,298)	1:115:A:ILE:HG22	1:41:A:MET:HG3	16	0.7
(1,298)	1:115:A:ILE:HG23	1:41:A:MET:HG3	16	0.7
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	15	0.7
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	19	0.69
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	19	0.69
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	19	0.69
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	18	0.69
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	12	0.69
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	1	0.69
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	3	0.69
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	7	0.69
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	7	0.69
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	7	0.69
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	16	0.69
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	16	0.69
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	16	0.69
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	13	0.69
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	13	0.69
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	13	0.69
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	9	0.69
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	9	0.69
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	9	0.69
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	16	0.69
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	17	0.69
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	2	0.69
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	18	0.69
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	14	0.69
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	14	0.69
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	14	0.69
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	3	0.69
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	3	0.69
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	3	0.69
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	14	0.69
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	14	0.69
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	14	0.69
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	19	0.69
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	20	0.69
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	20	0.69
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	20	0.69
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	11	0.69
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	6	0.69
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	15	0.69
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	12	0.69
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	12	0.69
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	12	0.69
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	6	0.69
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	11	0.69
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	2	0.69
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	16	0.69
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	16	0.69
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	16	0.69
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	4	0.69
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	11	0.69
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	10	0.69
(2,1961)	1:112:A:LYS:HE2	1:112:A:LYS:H	7	0.69
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	12	0.69
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	19	0.69
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	19	0.69
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	19	0.69
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	20	0.69
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	20	0.69
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	20	0.69
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	6	0.69
(2,1822)	1:72:A:ILE:HG12	1:72:A:ILE:H	19	0.69
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	17	0.69
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	1	0.69
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	11	0.69
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	13	0.69
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	19	0.69
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	12	0.69
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	7	0.69
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	6	0.69
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	16	0.69
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	16	0.69
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	18	0.69
(2,1528)	1:90:A:GLU:H	1:89:A:ILE:HB	14	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	13	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	13	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	13	0.69
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	13	0.69
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	13	0.69
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	13	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	13	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	13	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	13	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	18	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	18	0.69
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	18	0.69
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	18	0.69
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	18	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	18	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	18	0.69
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	18	0.69
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	12	0.69
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	12	0.69
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	12	0.69
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	12	0.69
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	12	0.69
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	12	0.69
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	12	0.69
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	12	0.69
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	12	0.69
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	18	0.69
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	18	0.69
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	18	0.69
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	16	0.69
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	11	0.69
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	14	0.69
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	15	0.69
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	2	0.69
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	2	0.69
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	2	0.69
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	2	0.69
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	13	0.69
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	17	0.69
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	15	0.69
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	15	0.69
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	15	0.69
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	14	0.69
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	14	0.69
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	14	0.69
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	10	0.69
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	10	0.69
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	10	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	10	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	10	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	10	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	10	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	10	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	10	0.69
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	17	0.69
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	17	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	17	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	17	0.69
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	17	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	17	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	17	0.69
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	17	0.69
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	18	0.69
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	17	0.69
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	6	0.69
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	19	0.69
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	1	0.69
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	17	0.69
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	2	0.69
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	19	0.69
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	5	0.69
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	5	0.69
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	5	0.69
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	1	0.69
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	10	0.69
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	2	0.69
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	5	0.69
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	16	0.69
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	17	0.69
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	5	0.69
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	18	0.69
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	8	0.69
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	3	0.69
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	3	0.69
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	8	0.69
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	16	0.69
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	16	0.69
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	16	0.69
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	16	0.69
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	13	0.69
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	11	0.69
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	8	0.69
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	8	0.69
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	8	0.69
(2,1057)	1:72:A:ILE:HB	1:100:A:VAL:HA	11	0.69
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	9	0.69
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	9	0.69
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	9	0.69
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	8	0.69
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	18	0.69
(2,1033)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	20	0.69
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	1	0.69
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	13	0.69
(2,1020)	1:93:A:ALA:HB1	1:99:A:PRO:HA	8	0.69
(2,1020)	1:93:A:ALA:HB2	1:99:A:PRO:HA	8	0.69
(2,1020)	1:93:A:ALA:HB3	1:99:A:PRO:HA	8	0.69
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	8	0.69
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	18	0.69
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	20	0.69
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	14	0.69
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	14	0.69
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	14	0.69
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	9	0.69
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	14	0.69
(2,921)	1:89:A:ILE:HB	1:89:A:ILE:H	16	0.69
(2,908)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	20	0.69
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	12	0.69
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	12	0.69
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	12	0.69
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	1	0.69
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	18	0.69
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	18	0.69
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	18	0.69
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	1	0.69
(2,802)	1:77:A:GLU:HG2	1:79:A:THR:HG1	15	0.69
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	7	0.69
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	7	0.69
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	7	0.69
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	12	0.69
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	12	0.69
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	12	0.69
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	13	0.69
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	3	0.69
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	7	0.69
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	14	0.69
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	14	0.69
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	12	0.69
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	12	0.69
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	12	0.69
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	1	0.69
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	1	0.69
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	1	0.69
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	1	0.69
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	1	0.69
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	1	0.69
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	11	0.69
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	11	0.69
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	11	0.69
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	5	0.69
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	5	0.69
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	5	0.69
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	5	0.69
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	5	0.69
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	5	0.69
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	10	0.69
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	10	0.69
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	10	0.69
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	4	0.69
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	4	0.69
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	4	0.69
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	5	0.69
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	5	0.69
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	5	0.69
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	9	0.69
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	9	0.69
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	9	0.69
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	15	0.69
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	15	0.69
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	15	0.69
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	15	0.69
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	15	0.69
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	15	0.69
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	15	0.69
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	15	0.69
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	15	0.69
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	15	0.69
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	15	0.69
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	16	0.69
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	16	0.69
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	16	0.69
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	12	0.69
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	1	0.69
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	6	0.69
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	12	0.69
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	12	0.69
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	12	0.69
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	4	0.69
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	4	0.69
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	4	0.69
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	17	0.69
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	1	0.69
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	2	0.69
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	9	0.69
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	12	0.69
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	18	0.69
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	9	0.69
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	5	0.69
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	5	0.69
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	5	0.69
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	5	0.69
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	5	0.69
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	5	0.69
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	5	0.69
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	5	0.69
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	5	0.69
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	5	0.69
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	5	0.69
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	5	0.69
(2,431)	1:59:A:ILE:HG12	1:59:A:ILE:HA	7	0.69
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	4	0.69
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	12	0.69
(2,427)	1:58:A:LYS:HA	1:58:A:LYS:H	16	0.69
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	16	0.69
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	19	0.69
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	18	0.69
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	2	0.69
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	12	0.69
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	19	0.69
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	19	0.69
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	4	0.69
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	9	0.69
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	18	0.69
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	3	0.69
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	3	0.69
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	3	0.69
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	9	0.69
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	6	0.69
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	6	0.69
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	6	0.69
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	7	0.69
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	7	0.69
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	10	0.69
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	12	0.69
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	2	0.69
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	2	0.69
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	2	0.69
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	18	0.69
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	3	0.69
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	13	0.69
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	15	0.69
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	7	0.69
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	8	0.69
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	18	0.69
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	12	0.69
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	19	0.69
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	16	0.69
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	19	0.69
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	8	0.69
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	8	0.69
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	8	0.69
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	19	0.69
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	19	0.69
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	19	0.69
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	19	0.69
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	19	0.69
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	19	0.69
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	19	0.69
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	19	0.69
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	19	0.69
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	16	0.69
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	16	0.69
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	5	0.69
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	5	0.69
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	5	0.69
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	7	0.69
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	7	0.69
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	7	0.69
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	5	0.69
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	4	0.69
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	4	0.69
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	4	0.69
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	4	0.69
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	14	0.69
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	8	0.69
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	8	0.69
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	8	0.69
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	8	0.69
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	8	0.69
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	8	0.69
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	8	0.69
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	8	0.69
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	8	0.69
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	1	0.69
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	10	0.69
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	10	0.69
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	10	0.69
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	16	0.69
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	16	0.69
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	16	0.69
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	13	0.69
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	19	0.69
(1,845)	1:112:A:LYS:HA	1:41:A:MET:HG3	14	0.69
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	14	0.69
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	19	0.69
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	19	0.69
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	19	0.69
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	1	0.69
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	7	0.69
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	11	0.69
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	14	0.69
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	1	0.69
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	1	0.69
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	5	0.69
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	5	0.69
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	5	0.69
(1,356)	1:70:A:VAL:HG21	1:68:A:PRO:HB3	13	0.69
(1,356)	1:70:A:VAL:HG22	1:68:A:PRO:HB3	13	0.69
(1,356)	1:70:A:VAL:HG23	1:68:A:PRO:HB3	13	0.69
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	6	0.69
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	20	0.68
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	20	0.68
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	20	0.68
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	14	0.68
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	5	0.68
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	5	0.68
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	5	0.68
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	11	0.68
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	10	0.68
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	10	0.68
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	10	0.68
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	5	0.68
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	15	0.68
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	12	0.68
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	19	0.68
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	19	0.68
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	19	0.68
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	11	0.68
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	13	0.68
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	13	0.68
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	13	0.68
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	13	0.68
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	17	0.68
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	19	0.68
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	7	0.68
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	7	0.68
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	7	0.68
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	16	0.68
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	3	0.68
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	3	0.68
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	3	0.68
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	2	0.68
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	2	0.68
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	2	0.68
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	3	0.68
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	5	0.68
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	5	0.68
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	5	0.68
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	10	0.68
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	14	0.68
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	16	0.68
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	9	0.68
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	8	0.68
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	1	0.68
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	8	0.68
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	12	0.68
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	7	0.68
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	13	0.68
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	9	0.68
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	9	0.68
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	9	0.68
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	17	0.68
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	17	0.68
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	17	0.68
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	2	0.68
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	3	0.68
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	14	0.68
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	15	0.68
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	15	0.68
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	15	0.68
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	12	0.68
(2,1725)	1:25:A:VAL:HG11	1:25:A:VAL:H	2	0.68
(2,1725)	1:25:A:VAL:HG12	1:25:A:VAL:H	2	0.68
(2,1725)	1:25:A:VAL:HG13	1:25:A:VAL:H	2	0.68
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	12	0.68
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	10	0.68
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	2	0.68
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	18	0.68
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	15	0.68
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	14	0.68
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	3	0.68
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	13	0.68
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	15	0.68
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	2	0.68
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	13	0.68
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	11	0.68
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	16	0.68
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	20	0.68
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	8	0.68
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	11	0.68
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	9	0.68
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	17	0.68
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	17	0.68
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	17	0.68
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	20	0.68
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	20	0.68
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	20	0.68
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	9	0.68
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	13	0.68
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	19	0.68
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	15	0.68
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	15	0.68
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	15	0.68
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	6	0.68
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	8	0.68
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	16	0.68
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	4	0.68
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	10	0.68
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	4	0.68
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	9	0.68
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	10	0.68
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	12	0.68
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	17	0.68
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	15	0.68
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	15	0.68
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	15	0.68
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	4	0.68
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	8	0.68
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	4	0.68
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	7	0.68
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	9	0.68
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	15	0.68
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	5	0.68
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	13	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	2	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	3	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	4	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	5	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	6	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	7	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	8	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	9	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	10	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	11	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	13	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	15	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	16	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	17	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	18	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	19	0.68
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	20	0.68
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	14	0.68
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	14	0.68
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	14	0.68
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	20	0.68
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	20	0.68
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	20	0.68
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	7	0.68
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	20	0.68
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	5	0.68
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	16	0.68
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	16	0.68
(2,1156)	1:104:A:LYS:HA	1:105:A:VAL:H	1	0.68
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	7	0.68
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	12	0.68
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	3	0.68
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	3	0.68
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	3	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	3	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	3	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	3	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	3	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	3	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	3	0.68
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	19	0.68
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	19	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	19	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	19	0.68
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	19	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	19	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	19	0.68
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	19	0.68
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	5	0.68
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	5	0.68
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	5	0.68
(2,1112)	1:102:A:ILE:HD11	1:102:A:ILE:HB	18	0.68
(2,1112)	1:102:A:ILE:HD12	1:102:A:ILE:HB	18	0.68
(2,1112)	1:102:A:ILE:HD13	1:102:A:ILE:HB	18	0.68
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	19	0.68
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	19	0.68
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	19	0.68
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	17	0.68
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	19	0.68
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	11	0.68
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	14	0.68
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	14	0.68
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	14	0.68
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	12	0.68
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	1	0.68
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	7	0.68
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	7	0.68
(2,1022)	1:99:A:PRO:HB2	1:99:A:PRO:HA	11	0.68
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	9	0.68
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	9	0.68
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	9	0.68
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	6	0.68
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	13	0.68
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	8	0.68
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	8	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	1	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	1	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	1	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	2	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	2	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	2	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	3	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	3	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	4	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	4	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	4	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	8	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	8	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	8	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	9	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	9	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	9	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	10	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	10	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	10	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	12	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	12	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	12	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	13	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	13	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	13	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	14	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	14	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	14	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	15	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	15	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	15	0.68
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	16	0.68
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	16	0.68
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	16	0.68
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	19	0.68
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	1	0.68
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	5	0.68
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	4	0.68
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	4	0.68
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	4	0.68
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	19	0.68
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	19	0.68
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	19	0.68
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	6	0.68
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	13	0.68
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	13	0.68
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	13	0.68
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	20	0.68
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	20	0.68
(2,779)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.68
(2,779)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.68
(2,779)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.68
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.68
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.68
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.68
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	9	0.68
(2,766)	1:75:A:LEU:HD11	1:76:A:LEU:HG	6	0.68
(2,766)	1:75:A:LEU:HD12	1:76:A:LEU:HG	6	0.68
(2,766)	1:75:A:LEU:HD13	1:76:A:LEU:HG	6	0.68
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	4	0.68
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	4	0.68
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	4	0.68
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	6	0.68
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	8	0.68
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	9	0.68
(2,733)	1:76:A:LEU:H	1:75:A:LEU:HA	18	0.68
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	6	0.68
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	14	0.68
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	8	0.68
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	8	0.68
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	8	0.68
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	19	0.68
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	19	0.68
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	19	0.68
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	6	0.68
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	6	0.68
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	6	0.68
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	1	0.68
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	1	0.68
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	1	0.68
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	16	0.68
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	16	0.68
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	16	0.68
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	16	0.68
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	16	0.68
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	16	0.68
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	1	0.68
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	1	0.68
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	3	0.68
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	3	0.68
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	3	0.68
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	18	0.68
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	18	0.68
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	18	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	3	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	3	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	3	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	3	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	3	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	3	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	3	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	3	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	3	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	5	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	5	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	5	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	5	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	5	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	5	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	5	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	5	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	5	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	6	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	6	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	6	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	6	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	6	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	6	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	6	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	6	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	6	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	8	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	8	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	8	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	8	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	8	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	8	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	8	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	8	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	9	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	9	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	9	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	9	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	9	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	9	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	9	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	9	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	9	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	11	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	11	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	11	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	11	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	11	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	11	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	11	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	11	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	11	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	12	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	12	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	12	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	12	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	12	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	12	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	12	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	12	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	12	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	13	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	13	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	13	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	13	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	13	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	13	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	13	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	13	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	13	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	14	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	14	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	14	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	14	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	14	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	14	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	14	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	14	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	16	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	16	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	16	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	16	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	16	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	16	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	16	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	16	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	16	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	20	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	20	0.68
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	20	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	20	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	20	0.68
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	20	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	20	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	20	0.68
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	20	0.68
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	5	0.68
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	6	0.68
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	11	0.68
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	15	0.68
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	17	0.68
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	12	0.68
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	9	0.68
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	9	0.68
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	9	0.68
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	10	0.68
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	10	0.68
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	10	0.68
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	17	0.68
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	17	0.68
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	17	0.68
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	3	0.68
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	3	0.68
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	3	0.68
(2,496)	1:66:A:LEU:HB3	1:63:A:LEU:HA	5	0.68
(2,495)	1:63:A:LEU:H	1:63:A:LEU:HA	7	0.68
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	16	0.68
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	16	0.68
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	16	0.68
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	16	0.68
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	0.68
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	0.68
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	0.68
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	14	0.68
(2,370)	1:66:A:LEU:HA	1:66:A:LEU:H	2	0.68
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	5	0.68
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	17	0.68
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	17	0.68
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	17	0.68
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	13	0.68
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	13	0.68
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	13	0.68
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	3	0.68
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	18	0.68
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	5	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	6	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	6	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	6	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	17	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	17	0.68
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	17	0.68
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	7	0.68
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	7	0.68
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	7	0.68
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	3	0.68
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	3	0.68
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	3	0.68
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	14	0.68
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	19	0.68
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	12	0.68
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	12	0.68
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	12	0.68
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	13	0.68
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	13	0.68
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	13	0.68
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	13	0.68
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	13	0.68
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	13	0.68
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	13	0.68
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	13	0.68
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	12	0.68
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	12	0.68
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	12	0.68
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	4	0.68
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	1	0.68
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	18	0.68
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	2	0.68
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	12	0.68
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	20	0.68
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	8	0.68
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	13	0.68
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	4	0.68
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	4	0.68
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	4	0.68
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	4	0.68
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	4	0.68
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	4	0.68
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	4	0.68
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	4	0.68
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	4	0.68
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	10	0.68
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	10	0.68
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	10	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	10	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	10	0.68
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	10	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	10	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	10	0.68
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	10	0.68
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	11	0.68
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	11	0.68
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	11	0.68
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	18	0.68
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	18	0.68
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	18	0.68
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	13	0.68
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	13	0.68
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	13	0.68
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	14	0.68
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	14	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	14	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	14	0.68
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	14	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	14	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	14	0.68
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	14	0.68
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	13	0.68
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	13	0.68
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	13	0.68
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	2	0.68
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	2	0.68
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	2	0.68
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	18	0.68
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	18	0.68
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	18	0.68
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD21	18	0.68
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD22	18	0.68
(2,36)	1:24:A:LEU:HA	1:24:A:LEU:HD23	18	0.68
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	8	0.68
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	11	0.68
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	11	0.68
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	11	0.68
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	9	0.68
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	9	0.68
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	9	0.68
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	17	0.68
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	17	0.68
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	17	0.68
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	19	0.68
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	19	0.68
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	19	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	5	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	5	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	5	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	5	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	5	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	5	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	5	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	5	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	19	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	19	0.68
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	19	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	19	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	19	0.68
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	19	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	19	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	19	0.68
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	19	0.68
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	9	0.68
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	9	0.68
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	9	0.68
(1,1856)	1:85:A:VAL:HG11	1:28:A:TRP:HE1	6	0.68
(1,1856)	1:85:A:VAL:HG12	1:28:A:TRP:HE1	6	0.68
(1,1856)	1:85:A:VAL:HG13	1:28:A:TRP:HE1	6	0.68
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	2	0.68
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	6	0.68
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	20	0.68
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	20	0.68
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	20	0.68
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	6	0.68
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	6	0.68
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	6	0.68
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG11	15	0.68
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG12	15	0.68
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG13	15	0.68
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	19	0.68
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	19	0.68
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	19	0.68
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	19	0.68
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	9	0.68
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	9	0.68
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	9	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	9	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	9	0.68
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	9	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	9	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	9	0.68
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	9	0.68
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	15	0.67
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	15	0.67
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	8	0.67
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	8	0.67
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	8	0.67
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	2	0.67
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	2	0.67
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	2	0.67
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	12	0.67
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	15	0.67
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	14	0.67
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	14	0.67
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	14	0.67
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	9	0.67
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	2	0.67
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	2	0.67
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	2	0.67
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	4	0.67
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	10	0.67
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	10	0.67
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	10	0.67
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	6	0.67
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	5	0.67
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	18	0.67
(2,2436)	1:74:A:VAL:H	1:73:A:LEU:HG	1	0.67
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	20	0.67
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	10	0.67
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	10	0.67
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	10	0.67
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	6	0.67
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	6	0.67
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	6	0.67
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	2	0.67
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	20	0.67
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	2	0.67
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	19	0.67
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	2	0.67
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	15	0.67
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	15	0.67
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	15	0.67
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	13	0.67
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	11	0.67
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	11	0.67
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	18	0.67
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	8	0.67
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	7	0.67
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	7	0.67
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	7	0.67
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	14	0.67
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	14	0.67
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	14	0.67
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	1	0.67
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	1	0.67
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	1	0.67
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	13	0.67
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	5	0.67
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	10	0.67
(2,1984)	1:48:A:TYR:H	1:48:A:TYR:HB2	19	0.67
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	12	0.67
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	9	0.67
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	19	0.67
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	20	0.67
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	6	0.67
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	2	0.67
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	2	0.67
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	2	0.67
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	3	0.67
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	3	0.67
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	3	0.67
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	8	0.67
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	8	0.67
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	8	0.67
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	10	0.67
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	10	0.67
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	10	0.67
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	14	0.67
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	20	0.67
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	2	0.67
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	9	0.67
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	5	0.67
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	14	0.67
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	15	0.67
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	9	0.67
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	14	0.67
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	12	0.67
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	1	0.67
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	3	0.67
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	14	0.67
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	1	0.67
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	1	0.67
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	1	0.67
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	17	0.67
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	17	0.67
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	17	0.67
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	17	0.67
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	17	0.67
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	17	0.67
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	17	0.67
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	17	0.67
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	17	0.67
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	16	0.67
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	16	0.67
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	16	0.67
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	17	0.67
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	1	0.67
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	3	0.67
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	4	0.67
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	11	0.67
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	3	0.67
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	10	0.67
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	16	0.67
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	16	0.67
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	16	0.67
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	5	0.67
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	5	0.67
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	5	0.67
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	5	0.67
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	5	0.67
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	5	0.67
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	5	0.67
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	5	0.67
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	5	0.67
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	8	0.67
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	15	0.67
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	15	0.67
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	11	0.67
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	15	0.67
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	3	0.67
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	6	0.67
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	18	0.67
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	2	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	8	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	8	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	8	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	8	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	8	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	8	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	8	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	8	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	8	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	15	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	15	0.67
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	15	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	15	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	15	0.67
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	15	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	15	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	15	0.67
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	15	0.67
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	15	0.67
(2,1290)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	14	0.67
(2,1290)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	14	0.67
(2,1290)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	14	0.67
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	2	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	1	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	8	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	10	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	11	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	13	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	14	0.67
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	19	0.67
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	13	0.67
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	12	0.67
(2,1233)	1:107:A:SER:HB2	1:107:A:SER:HB3	14	0.67
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	17	0.67
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	17	0.67
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	12	0.67
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	12	0.67
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	12	0.67
(2,1209)	1:105:A:VAL:HG11	1:110:A:GLU:HG2	12	0.67
(2,1209)	1:105:A:VAL:HG12	1:110:A:GLU:HG2	12	0.67
(2,1209)	1:105:A:VAL:HG13	1:110:A:GLU:HG2	12	0.67
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	4	0.67
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	4	0.67
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	4	0.67
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	8	0.67
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	8	0.67
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	8	0.67
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	13	0.67
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	9	0.67
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	6	0.67
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	2	0.67
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	2	0.67
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	7	0.67
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	15	0.67
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	17	0.67
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	18	0.67
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	18	0.67
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	18	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	1	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	8	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	9	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	13	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	18	0.67
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	20	0.67
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	1	0.67
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	19	0.67
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	4	0.67
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	12	0.67
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	18	0.67
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	14	0.67
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	14	0.67
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	14	0.67
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	1	0.67
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	1	0.67
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	6	0.67
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	17	0.67
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	5	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	5	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	5	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	6	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	6	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	6	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	7	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	7	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	7	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	11	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	11	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	11	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	17	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	17	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	17	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	18	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	18	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	18	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	19	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	19	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	19	0.67
(2,939)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	0.67
(2,939)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	0.67
(2,939)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	0.67
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	16	0.67
(2,932)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	0.67
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	4	0.67
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	4	0.67
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	6	0.67
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	7	0.67
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	12	0.67
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	18	0.67
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	17	0.67
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	6	0.67
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	6	0.67
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	6	0.67
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	14	0.67
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	14	0.67
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	14	0.67
(2,878)	1:85:A:VAL:HG11	1:85:A:VAL:HA	15	0.67
(2,878)	1:85:A:VAL:HG12	1:85:A:VAL:HA	15	0.67
(2,878)	1:85:A:VAL:HG13	1:85:A:VAL:HA	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	3	0.67
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	14	0.67
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	14	0.67
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	14	0.67
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	10	0.67
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	10	0.67
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	10	0.67
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	15	0.67
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	15	0.67
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	15	0.67
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	17	0.67
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	17	0.67
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	17	0.67
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	14	0.67
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	18	0.67
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	12	0.67
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	12	0.67
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	12	0.67
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG11	14	0.67
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG12	14	0.67
(2,724)	1:74:A:VAL:HA	1:74:A:VAL:HG13	14	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	17	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	17	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	17	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	19	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	19	0.67
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	19	0.67
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	17	0.67
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	17	0.67
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	17	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	6	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	6	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	6	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	8	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	8	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	8	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	12	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	12	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	12	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	14	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	14	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	16	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	16	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	16	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	20	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	20	0.67
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	20	0.67
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	3	0.67
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	5	0.67
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	5	0.67
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	5	0.67
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	6	0.67
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	18	0.67
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	18	0.67
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	18	0.67
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	13	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	1	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	1	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	1	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	1	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	1	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	1	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	1	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	1	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	1	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	2	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	2	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	2	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	2	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	2	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	2	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	2	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	2	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	2	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	4	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	4	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	4	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	4	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	4	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	4	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	4	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	4	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	7	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	7	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	7	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	7	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	7	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	7	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	7	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	7	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	7	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	10	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	10	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	10	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	10	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	10	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	10	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	10	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	10	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	10	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	18	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	18	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	18	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	18	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	18	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	18	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	18	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	18	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	18	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	19	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	19	0.67
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	19	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	19	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	19	0.67
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	19	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	19	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	19	0.67
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	19	0.67
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	15	0.67
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	15	0.67
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	15	0.67
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	15	0.67
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	15	0.67
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	15	0.67
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	15	0.67
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	15	0.67
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	15	0.67
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	15	0.67
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	15	0.67
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	15	0.67
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	15	0.67
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	15	0.67
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	15	0.67
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	15	0.67
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	15	0.67
(2,608)	1:70:A:VAL:HG21	1:70:A:VAL:HA	15	0.67
(2,608)	1:70:A:VAL:HG22	1:70:A:VAL:HA	15	0.67
(2,608)	1:70:A:VAL:HG23	1:70:A:VAL:HA	15	0.67
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	2	0.67
(2,602)	1:70:A:VAL:H	1:70:A:VAL:HA	14	0.67
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	1	0.67
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	20	0.67
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	14	0.67
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	2	0.67
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	20	0.67
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	6	0.67
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	0.67
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	1	0.67
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	1	0.67
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	1	0.67
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	8	0.67
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	8	0.67
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	8	0.67
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	3	0.67
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	3	0.67
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	3	0.67
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	10	0.67
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	10	0.67
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	10	0.67
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	13	0.67
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	13	0.67
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	13	0.67
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	15	0.67
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	15	0.67
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	9	0.67
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	6	0.67
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	10	0.67
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	8	0.67
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	8	0.67
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	8	0.67
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	8	0.67
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	18	0.67
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	18	0.67
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	18	0.67
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	20	0.67
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	20	0.67
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	20	0.67
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	9	0.67
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	9	0.67
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	9	0.67
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	9	0.67
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	15	0.67
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	20	0.67
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	20	0.67
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	20	0.67
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	20	0.67
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	20	0.67
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	20	0.67
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	20	0.67
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	20	0.67
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	20	0.67
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	18	0.67
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	4	0.67
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	7	0.67
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	7	0.67
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	7	0.67
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	2	0.67
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	2	0.67
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	2	0.67
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	2	0.67
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	2	0.67
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	2	0.67
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	2	0.67
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	2	0.67
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	2	0.67
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	14	0.67
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	14	0.67
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	15	0.67
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	15	0.67
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	15	0.67
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	4	0.67
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	16	0.67
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	19	0.67
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	5	0.67
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	14	0.67
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	16	0.67
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	16	0.67
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	16	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	5	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	5	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	5	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	5	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	5	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	5	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	5	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	5	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	5	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	16	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	16	0.67
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	16	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	16	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	16	0.67
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	16	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	16	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	16	0.67
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	16	0.67
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	6	0.67
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	6	0.67
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	6	0.67
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	13	0.67
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	13	0.67
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	13	0.67
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	2	0.67
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	2	0.67
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	2	0.67
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	5	0.67
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	5	0.67
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	6	0.67
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	0.67
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	0.67
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	0.67
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	2	0.67
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	2	0.67
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	2	0.67
(2,42)	1:24:A:LEU:HB3	1:72:A:ILE:HG12	2	0.67
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	9	0.67
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	18	0.67
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD21	15	0.67
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD22	15	0.67
(2,24)	1:23:A:LEU:HB3	1:23:A:LEU:HD23	15	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	1	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	1	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	1	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	2	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	2	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	2	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	3	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	3	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	3	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	4	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	4	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	4	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	5	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	5	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	5	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	6	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	6	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	6	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	7	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	7	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	7	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	8	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	8	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	8	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	11	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	11	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	11	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	12	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	12	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	13	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	13	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	13	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	14	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	14	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	14	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	15	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	15	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	15	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	16	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	16	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	16	0.67
(2,22)	1:49:A:LEU:HD11	1:49:A:LEU:HG	18	0.67
(2,22)	1:49:A:LEU:HD12	1:49:A:LEU:HG	18	0.67
(2,22)	1:49:A:LEU:HD13	1:49:A:LEU:HG	18	0.67
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	10	0.67
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	10	0.67
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	10	0.67
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	10	0.67
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	10	0.67
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	10	0.67
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	10	0.67
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	10	0.67
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	10	0.67
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	13	0.67
(1,1743)	1:34:A:LEU:H	1:37:A:GLU:HB3	3	0.67
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	6	0.67
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	7	0.67
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	7	0.67
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	6	0.67
(1,968)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	16	0.67
(1,968)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	16	0.67
(1,968)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	16	0.67
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	17	0.67
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	19	0.67
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	3	0.67
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	3	0.67
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	3	0.67
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	10	0.67
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	18	0.67
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	4	0.67
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	17	0.67
(1,356)	1:70:A:VAL:HG21	1:68:A:PRO:HB3	14	0.67
(1,356)	1:70:A:VAL:HG22	1:68:A:PRO:HB3	14	0.67
(1,356)	1:70:A:VAL:HG23	1:68:A:PRO:HB3	14	0.67
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	2	0.67
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	10	0.67
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	9	0.67
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	9	0.67
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	9	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	9	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	9	0.67
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	9	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	9	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	9	0.67
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	9	0.67
(2,2823)	1:120:A:GLU:HB2	1:119:A:SER:H	5	0.66
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	5	0.66
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	4	0.66
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	6	0.66
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	15	0.66
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	15	0.66
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	15	0.66
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	17	0.66
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	10	0.66
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	10	0.66
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	10	0.66
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	4	0.66
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	4	0.66
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	4	0.66
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	8	0.66
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	14	0.66
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	18	0.66
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	8	0.66
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	18	0.66
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	7	0.66
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	9	0.66
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	9	0.66
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	9	0.66
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	6	0.66
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	6	0.66
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	13	0.66
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	13	0.66
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	13	0.66
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	20	0.66
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	20	0.66
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	20	0.66
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	16	0.66
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	13	0.66
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	13	0.66
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	13	0.66
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	8	0.66
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	8	0.66
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	8	0.66
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	7	0.66
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	7	0.66
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	7	0.66
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	6	0.66
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	6	0.66
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	20	0.66
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	15	0.66
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	15	0.66
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	15	0.66
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	4	0.66
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	18	0.66
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	18	0.66
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	18	0.66
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	18	0.66
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	14	0.66
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	13	0.66
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	14	0.66
(2,2028)	1:58:A:LYS:H	1:58:A:LYS:HG2	1	0.66
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	13	0.66
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	20	0.66
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	17	0.66
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	4	0.66
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	6	0.66
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	8	0.66
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	6	0.66
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	18	0.66
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	11	0.66
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	17	0.66
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	13	0.66
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	15	0.66
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	15	0.66
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	15	0.66
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	15	0.66
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	15	0.66
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	15	0.66
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	15	0.66
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	15	0.66
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	15	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	1	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	1	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	1	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	13	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	13	0.66
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	13	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	1	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	4	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	13	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	16	0.66
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	17	0.66
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	16	0.66
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	16	0.66
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	16	0.66
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	16	0.66
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	16	0.66
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	16	0.66
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	16	0.66
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	16	0.66
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	16	0.66
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG21	11	0.66
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG22	11	0.66
(2,1456)	1:59:A:ILE:HA	1:59:A:ILE:HG23	11	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	14	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	14	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	14	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG21	20	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG22	20	0.66
(2,1454)	1:59:A:ILE:HG12	1:59:A:ILE:HG23	20	0.66
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	9	0.66
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	20	0.66
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	20	0.66
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	20	0.66
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	20	0.66
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	20	0.66
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	20	0.66
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	20	0.66
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	20	0.66
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	20	0.66
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	13	0.66
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	15	0.66
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	15	0.66
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	15	0.66
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	16	0.66
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	19	0.66
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	19	0.66
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	16	0.66
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	13	0.66
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	13	0.66
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	6	0.66
(2,1285)	1:110:A:GLU:HB2	1:110:A:GLU:HA	17	0.66
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	13	0.66
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	17	0.66
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	19	0.66
(2,1255)	1:108:A:PRO:HG3	1:108:A:PRO:HA	20	0.66
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	5	0.66
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	17	0.66
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	17	0.66
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	17	0.66
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	7	0.66
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	7	0.66
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	7	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	1	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	1	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	1	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	2	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	2	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	2	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	3	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	3	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	3	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	6	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	6	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	9	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	9	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	9	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	10	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	10	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	10	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	12	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	12	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	12	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	14	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	14	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	14	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	16	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	16	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	16	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	18	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	18	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	18	0.66
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	19	0.66
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	19	0.66
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	19	0.66
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	15	0.66
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	6	0.66
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	2	0.66
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	3	0.66
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	9	0.66
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	5	0.66
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	18	0.66
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	13	0.66
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	13	0.66
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	13	0.66
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	10	0.66
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	10	0.66
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	10	0.66
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	3	0.66
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	6	0.66
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	13	0.66
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	19	0.66
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	1	0.66
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	1	0.66
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	6	0.66
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	3	0.66
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	4	0.66
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	5	0.66
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	6	0.66
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	14	0.66
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	6	0.66
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	10	0.66
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	11	0.66
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	13	0.66
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	17	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	2	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	4	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	5	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	6	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	10	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	13	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	15	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	16	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	17	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	19	0.66
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	20	0.66
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	8	0.66
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	8	0.66
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	8	0.66
(2,931)	1:89:A:ILE:HG13	1:89:A:ILE:H	1	0.66
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	19	0.66
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	2	0.66
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	8	0.66
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	11	0.66
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	11	0.66
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	16	0.66
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	2	0.66
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	2	0.66
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	2	0.66
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	7	0.66
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	7	0.66
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	7	0.66
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	20	0.66
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	20	0.66
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	9	0.66
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	9	0.66
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	9	0.66
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	4	0.66
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	7	0.66
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	15	0.66
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	15	0.66
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	15	0.66
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	16	0.66
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	16	0.66
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	16	0.66
(2,812)	1:78:A:ASP:HB2	1:106:A:THR:HG1	6	0.66
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	19	0.66
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	17	0.66
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	9	0.66
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	9	0.66
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	9	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	1	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	1	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	1	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	2	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	2	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	2	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	3	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	3	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	3	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	4	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	4	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	4	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	5	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	5	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	5	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	7	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	7	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	7	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	9	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	9	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	9	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	10	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	10	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	10	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	13	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	13	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	15	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	15	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	15	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	17	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	17	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	17	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	18	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	18	0.66
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	18	0.66
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	17	0.66
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	17	0.66
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	17	0.66
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	8	0.66
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	8	0.66
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	8	0.66
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	10	0.66
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	10	0.66
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	10	0.66
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	8	0.66
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	8	0.66
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	8	0.66
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	16	0.66
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	16	0.66
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	16	0.66
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	13	0.66
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	13	0.66
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	13	0.66
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG21	17	0.66
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG22	17	0.66
(2,620)	1:70:A:VAL:HG11	1:70:A:VAL:HG23	17	0.66
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG21	17	0.66
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG22	17	0.66
(2,620)	1:70:A:VAL:HG12	1:70:A:VAL:HG23	17	0.66
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG21	17	0.66
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG22	17	0.66
(2,620)	1:70:A:VAL:HG13	1:70:A:VAL:HG23	17	0.66
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	4	0.66
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	13	0.66
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	14	0.66
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	19	0.66
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	11	0.66
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	4	0.66
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	4	0.66
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	4	0.66
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	18	0.66
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	18	0.66
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	18	0.66
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	13	0.66
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	18	0.66
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	10	0.66
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	16	0.66
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	16	0.66
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	16	0.66
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	13	0.66
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	18	0.66
(2,357)	1:50:A:LEU:HA	1:51:A:THR:HB	18	0.66
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	17	0.66
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	17	0.66
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	17	0.66
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	15	0.66
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	10	0.66
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	16	0.66
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	16	0.66
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	16	0.66
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	14	0.66
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	14	0.66
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	14	0.66
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	16	0.66
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	16	0.66
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	16	0.66
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	11	0.66
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	17	0.66
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	7	0.66
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	7	0.66
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	7	0.66
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	7	0.66
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	7	0.66
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	7	0.66
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	8	0.66
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	8	0.66
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	8	0.66
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	8	0.66
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	8	0.66
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	8	0.66
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	8	0.66
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	8	0.66
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	3	0.66
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	8	0.66
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	3	0.66
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	15	0.66
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	4	0.66
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	5	0.66
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	7	0.66
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	10	0.66
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	10	0.66
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	10	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	6	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	6	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	6	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	15	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	15	0.66
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	15	0.66
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	6	0.66
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	11	0.66
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	16	0.66
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	16	0.66
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	16	0.66
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	16	0.66
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	16	0.66
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	16	0.66
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	16	0.66
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	16	0.66
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	16	0.66
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	11	0.66
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	11	0.66
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	11	0.66
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	19	0.66
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	19	0.66
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	19	0.66
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	8	0.66
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD11	19	0.66
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD12	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD13	19	0.66
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	6	0.66
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	6	0.66
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	19	0.66
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	17	0.66
(1,695)	1:101:A:ARG:HB2	1:73:A:LEU:HA	8	0.66
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	3	0.66
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	3	0.66
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	3	0.66
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	4	0.66
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	9	0.66
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	9	0.66
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	9	0.66
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	7	0.66
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	2	0.66
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	5	0.65
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	17	0.65
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	17	0.65
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	17	0.65
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	14	0.65
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	6	0.65
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	17	0.65
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	1	0.65
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	1	0.65
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	1	0.65
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	5	0.65
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	5	0.65
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	5	0.65
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	19	0.65
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	9	0.65
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	16	0.65
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	16	0.65
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	16	0.65
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	20	0.65
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	6	0.65
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	12	0.65
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	12	0.65
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	12	0.65
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	18	0.65
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	17	0.65
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	17	0.65
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	18	0.65
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	14	0.65
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	19	0.65
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	19	0.65
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	19	0.65
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	8	0.65
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	19	0.65
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	19	0.65
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	19	0.65
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	11	0.65
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	1	0.65
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	15	0.65
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	15	0.65
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	15	0.65
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	4	0.65
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	16	0.65
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	16	0.65
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	16	0.65
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	9	0.65
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	9	0.65
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	1	0.65
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	1	0.65
(2,2147)	1:26:A:LEU:HB2	1:27:A:ILE:H	20	0.65
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	9	0.65
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	9	0.65
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	9	0.65
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	13	0.65
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	13	0.65
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	13	0.65
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	13	0.65
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	16	0.65
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	16	0.65
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	16	0.65
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	3	0.65
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	6	0.65
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	13	0.65
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	17	0.65
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	3	0.65
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	18	0.65
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	17	0.65
(2,1961)	1:112:A:LYS:HE2	1:112:A:LYS:H	18	0.65
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	15	0.65
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	16	0.65
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	2	0.65
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	20	0.65
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	13	0.65
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	19	0.65
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	19	0.65
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	19	0.65
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	15	0.65
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	20	0.65
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	17	0.65
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	19	0.65
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	20	0.65
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	13	0.65
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	19	0.65
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	8	0.65
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	15	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	2	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	3	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	5	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	6	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	7	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	8	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	9	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	12	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	14	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	15	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	19	0.65
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	20	0.65
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	15	0.65
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	5	0.65
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	5	0.65
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	5	0.65
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	12	0.65
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	12	0.65
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	12	0.65
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	16	0.65
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	16	0.65
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	16	0.65
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	14	0.65
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	3	0.65
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	2	0.65
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	2	0.65
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	14	0.65
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	14	0.65
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	14	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	1	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	2	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	3	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	4	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	5	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	6	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	7	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	8	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	9	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	10	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	11	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	12	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	13	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	14	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	15	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	16	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	17	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	18	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	19	0.65
(2,1437)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	1	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	2	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	3	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	4	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	5	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	6	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	7	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	8	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	9	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	10	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	11	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	12	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	13	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	14	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	15	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	16	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	18	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	19	0.65
(2,1436)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	0.65
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	5	0.65
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	12	0.65
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	16	0.65
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	16	0.65
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	16	0.65
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	14	0.65
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	4	0.65
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	9	0.65
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	12	0.65
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	14	0.65
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	16	0.65
(2,1396)	1:117:A:GLU:HA	1:117:A:GLU:HG3	12	0.65
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	15	0.65
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	11	0.65
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	11	0.65
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	11	0.65
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	17	0.65
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	17	0.65
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	17	0.65
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	5	0.65
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	16	0.65
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	4	0.65
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	19	0.65
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	19	0.65
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	19	0.65
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	11	0.65
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	20	0.65
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	11	0.65
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	11	0.65
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	11	0.65
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	7	0.65
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	12	0.65
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	12	0.65
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	14	0.65
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	3	0.65
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	3	0.65
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	3	0.65
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	5	0.65
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	5	0.65
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	11	0.65
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	11	0.65
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	11	0.65
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	15	0.65
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	15	0.65
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	15	0.65
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	15	0.65
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	12	0.65
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	10	0.65
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	11	0.65
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	4	0.65
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	15	0.65
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	9	0.65
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	11	0.65
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	15	0.65
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	9	0.65
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	3	0.65
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	2	0.65
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	6	0.65
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	6	0.65
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	6	0.65
(2,1104)	1:102:A:ILE:HD11	1:102:A:ILE:HB	18	0.65
(2,1104)	1:102:A:ILE:HD12	1:102:A:ILE:HB	18	0.65
(2,1104)	1:102:A:ILE:HD13	1:102:A:ILE:HB	18	0.65
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	12	0.65
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	2	0.65
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	12	0.65
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	18	0.65
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	8	0.65
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	4	0.65
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	11	0.65
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	13	0.65
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	13	0.65
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	13	0.65
(2,1056)	1:100:A:VAL:HA	1:101:A:ARG:H	16	0.65
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	10	0.65
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	17	0.65
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	19	0.65
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	12	0.65
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	1	0.65
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	7	0.65
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	9	0.65
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	11	0.65
(2,1016)	1:99:A:PRO:HB3	1:99:A:PRO:HA	14	0.65
(2,998)	1:98:A:LEU:HB2	1:98:A:LEU:H	12	0.65
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	16	0.65
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	16	0.65
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	16	0.65
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	11	0.65
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	16	0.65
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	3	0.65
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	10	0.65
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	15	0.65
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	17	0.65
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	13	0.65
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	3	0.65
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	7	0.65
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	16	0.65
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	16	0.65
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	16	0.65
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	4	0.65
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	6	0.65
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	6	0.65
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	6	0.65
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	16	0.65
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	10	0.65
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	10	0.65
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	10	0.65
(2,755)	1:75:A:LEU:HD21	1:75:A:LEU:HB3	6	0.65
(2,755)	1:75:A:LEU:HD22	1:75:A:LEU:HB3	6	0.65
(2,755)	1:75:A:LEU:HD23	1:75:A:LEU:HB3	6	0.65
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	1	0.65
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	1	0.65
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	1	0.65
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	3	0.65
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	7	0.65
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	7	0.65
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	7	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	11	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	11	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	11	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG11	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG12	19	0.65
(2,718)	1:74:A:VAL:HB	1:74:A:VAL:HG13	19	0.65
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	9	0.65
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	9	0.65
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	9	0.65
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	9	0.65
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	9	0.65
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	9	0.65
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD21	8	0.65
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD22	8	0.65
(2,690)	1:118:A:PHE:HD1	1:73:A:LEU:HD23	8	0.65
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD21	8	0.65
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD22	8	0.65
(2,690)	1:118:A:PHE:HD2	1:73:A:LEU:HD23	8	0.65
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	9	0.65
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	9	0.65
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	9	0.65
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	4	0.65
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	4	0.65
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	4	0.65
(2,648)	1:24:A:LEU:HB3	1:72:A:ILE:HA	11	0.65
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	2	0.65
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	3	0.65
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	9	0.65
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	1	0.65
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	6	0.65
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	15	0.65
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	7	0.65
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	14	0.65
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	9	0.65
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	9	0.65
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	9	0.65
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	20	0.65
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	20	0.65
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	20	0.65
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	16	0.65
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	16	0.65
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	16	0.65
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	8	0.65
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	14	0.65
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	7	0.65
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	7	0.65
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	10	0.65
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	17	0.65
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	17	0.65
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	17	0.65
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	6	0.65
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	6	0.65
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	6	0.65
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	3	0.65
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	6	0.65
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	17	0.65
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	14	0.65
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	18	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	4	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	6	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	7	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	13	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	14	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	16	0.65
(2,390)	1:49:A:LEU:HB3	1:49:A:LEU:HA	17	0.65
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	2	0.65
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	15	0.65
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	20	0.65
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	20	0.65
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	20	0.65
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	19	0.65
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	19	0.65
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	8	0.65
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	8	0.65
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	8	0.65
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	8	0.65
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	14	0.65
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	12	0.65
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	12	0.65
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	12	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	11	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	11	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	11	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	18	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	18	0.65
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	18	0.65
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	9	0.65
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	9	0.65
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	5	0.65
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	11	0.65
(2,191)	1:34:A:LEU:HD11	1:105:A:VAL:HB	18	0.65
(2,191)	1:34:A:LEU:HD12	1:105:A:VAL:HB	18	0.65
(2,191)	1:34:A:LEU:HD13	1:105:A:VAL:HB	18	0.65
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	20	0.65
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	3	0.65
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	7	0.65
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	15	0.65
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	18	0.65
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	11	0.65
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	18	0.65
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	18	0.65
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	18	0.65
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	18	0.65
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	18	0.65
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	18	0.65
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	18	0.65
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	18	0.65
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	18	0.65
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	11	0.65
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	11	0.65
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	11	0.65
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	17	0.65
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	17	0.65
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	17	0.65
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	7	0.65
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	7	0.65
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	7	0.65
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	8	0.65
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	16	0.65
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	16	0.65
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	16	0.65
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	20	0.65
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	20	0.65
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	20	0.65
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	11	0.65
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	11	0.65
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	11	0.65
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	9	0.65
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	9	0.65
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	9	0.65
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	5	0.65
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	5	0.65
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	5	0.65
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	14	0.65
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	14	0.65
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	14	0.65
(1,2113)	1:117:A:GLU:H	1:116:A:LYS:HD2	11	0.65
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	11	0.65
(1,1679)	1:87:A:LYS:H	1:87:A:LYS:HE2	17	0.65
(1,729)	1:103:A:ARG:HB3	1:103:A:ARG:HD3	18	0.65
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	2	0.65
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	4	0.65
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	7	0.65
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	5	0.65
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	9	0.65
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	10	0.65
(1,285)	1:90:A:GLU:HB3	1:87:A:LYS:HA	15	0.65
(2,2841)	1:23:A:LEU:HD21	1:121:A:GLU:H	6	0.64
(2,2841)	1:23:A:LEU:HD22	1:121:A:GLU:H	6	0.64
(2,2841)	1:23:A:LEU:HD23	1:121:A:GLU:H	6	0.64
(2,2834)	1:23:A:LEU:HD21	1:120:A:GLU:H	15	0.64
(2,2834)	1:23:A:LEU:HD22	1:120:A:GLU:H	15	0.64
(2,2834)	1:23:A:LEU:HD23	1:120:A:GLU:H	15	0.64
(2,2825)	1:47:A:LEU:HD11	1:119:A:SER:H	13	0.64
(2,2825)	1:47:A:LEU:HD12	1:119:A:SER:H	13	0.64
(2,2825)	1:47:A:LEU:HD13	1:119:A:SER:H	13	0.64
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	11	0.64
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	18	0.64
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	18	0.64
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	18	0.64
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	1	0.64
(2,2699)	1:105:A:VAL:HG11	1:107:A:SER:H	20	0.64
(2,2699)	1:105:A:VAL:HG12	1:107:A:SER:H	20	0.64
(2,2699)	1:105:A:VAL:HG13	1:107:A:SER:H	20	0.64
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	6	0.64
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	14	0.64
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	3	0.64
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	8	0.64
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	6	0.64
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	6	0.64
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	6	0.64
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	5	0.64
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	10	0.64
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	9	0.64
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	11	0.64
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	11	0.64
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	11	0.64
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	13	0.64
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	13	0.64
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	13	0.64
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD11	10	0.64
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD12	10	0.64
(2,2408)	1:71:A:LYS:H	1:72:A:ILE:HD13	10	0.64
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	12	0.64
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	12	0.64
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	12	0.64
(2,2381)	1:63:A:LEU:HB2	1:64:A:LYS:H	3	0.64
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	2	0.64
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	2	0.64
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	2	0.64
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	2	0.64
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	12	0.64
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	5	0.64
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	5	0.64
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	5	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	1	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	1	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	1	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	11	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	11	0.64
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	11	0.64
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	17	0.64
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	9	0.64
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	9	0.64
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	9	0.64
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	14	0.64
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	8	0.64
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	1	0.64
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	2	0.64
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	7	0.64
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	10	0.64
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	14	0.64
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	5	0.64
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	20	0.64
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	6	0.64
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	19	0.64
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	3	0.64
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	1	0.64
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	11	0.64
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	18	0.64
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	20	0.64
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	7	0.64
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	15	0.64
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	3	0.64
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	4	0.64
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	18	0.64
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	10	0.64
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	18	0.64
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	18	0.64
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	3	0.64
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	18	0.64
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	1	0.64
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	1	0.64
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	1	0.64
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	1	0.64
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	4	0.64
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	8	0.64
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	2	0.64
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	10	0.64
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	7	0.64
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	9	0.64
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	9	0.64
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	9	0.64
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	10	0.64
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	11	0.64
(2,1513)	1:48:A:TYR:HA	1:48:A:TYR:HB2	18	0.64
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	9	0.64
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	9	0.64
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	9	0.64
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	6	0.64
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	6	0.64
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	6	0.64
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	6	0.64
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	6	0.64
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	6	0.64
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	6	0.64
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	6	0.64
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	17	0.64
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	17	0.64
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	17	0.64
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	2	0.64
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	10	0.64
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	20	0.64
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	3	0.64
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	8	0.64
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	8	0.64
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	8	0.64
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	16	0.64
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	8	0.64
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	8	0.64
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	8	0.64
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	15	0.64
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	15	0.64
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	15	0.64
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	9	0.64
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	14	0.64
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	18	0.64
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	19	0.64
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	1	0.64
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	5	0.64
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	7	0.64
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	13	0.64
(2,1405)	1:117:A:GLU:HB3	1:117:A:GLU:HG3	18	0.64
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	14	0.64
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	14	0.64
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	14	0.64
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	19	0.64
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	19	0.64
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	19	0.64
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	1	0.64
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	1	0.64
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	18	0.64
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	9	0.64
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	13	0.64
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	4	0.64
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	7	0.64
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	13	0.64
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	18	0.64
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	13	0.64
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	11	0.64
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	11	0.64
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	11	0.64
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	11	0.64
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	16	0.64
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	16	0.64
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	16	0.64
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	16	0.64
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	16	0.64
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	16	0.64
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	16	0.64
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	16	0.64
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	16	0.64
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	1	0.64
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	1	0.64
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	1	0.64
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	1	0.64
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	1	0.64
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	1	0.64
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	1	0.64
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	1	0.64
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	1	0.64
(2,1309)	1:111:A:ALA:HB1	1:75:A:LEU:HG	12	0.64
(2,1309)	1:111:A:ALA:HB2	1:75:A:LEU:HG	12	0.64
(2,1309)	1:111:A:ALA:HB3	1:75:A:LEU:HG	12	0.64
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	16	0.64
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	20	0.64
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	20	0.64
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	20	0.64
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	12	0.64
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	15	0.64
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	2	0.64
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	6	0.64
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	13	0.64
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	20	0.64
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	8	0.64
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	8	0.64
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	8	0.64
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	6	0.64
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	6	0.64
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	6	0.64
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	7	0.64
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	7	0.64
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	7	0.64
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	13	0.64
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	13	0.64
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	13	0.64
(2,1203)	1:105:A:VAL:HG21	1:105:A:VAL:HA	17	0.64
(2,1203)	1:105:A:VAL:HG22	1:105:A:VAL:HA	17	0.64
(2,1203)	1:105:A:VAL:HG23	1:105:A:VAL:HA	17	0.64
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	18	0.64
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	18	0.64
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	18	0.64
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	18	0.64
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	18	0.64
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	18	0.64
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	18	0.64
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	18	0.64
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	18	0.64
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	4	0.64
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	15	0.64
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	3	0.64
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	7	0.64
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	20	0.64
(2,1150)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	6	0.64
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	4	0.64
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	17	0.64
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	1	0.64
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	7	0.64
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	11	0.64
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	17	0.64
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	12	0.64
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	10	0.64
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	12	0.64
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	15	0.64
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	15	0.64
(2,1059)	1:100:A:VAL:HG11	1:100:A:VAL:HA	16	0.64
(2,1059)	1:100:A:VAL:HG12	1:100:A:VAL:HA	16	0.64
(2,1059)	1:100:A:VAL:HG13	1:100:A:VAL:HA	16	0.64
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	10	0.64
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	10	0.64
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	10	0.64
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	15	0.64
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	19	0.64
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	1	0.64
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	14	0.64
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	13	0.64
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	20	0.64
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	18	0.64
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	18	0.64
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	18	0.64
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	18	0.64
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	18	0.64
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	18	0.64
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	18	0.64
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	18	0.64
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	18	0.64
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	9	0.64
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	13	0.64
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	20	0.64
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	12	0.64
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	10	0.64
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	10	0.64
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	10	0.64
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	8	0.64
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	20	0.64
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	19	0.64
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	7	0.64
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	7	0.64
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	7	0.64
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	7	0.64
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	7	0.64
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	7	0.64
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	7	0.64
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	7	0.64
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	13	0.64
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	13	0.64
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	13	0.64
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	4	0.64
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	4	0.64
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	4	0.64
(2,775)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.64
(2,775)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.64
(2,775)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.64
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	12	0.64
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	8	0.64
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	8	0.64
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	8	0.64
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	2	0.64
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	2	0.64
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	2	0.64
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	9	0.64
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	9	0.64
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	9	0.64
(2,747)	1:75:A:LEU:H	1:75:A:LEU:HB3	1	0.64
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	1	0.64
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	8	0.64
(2,727)	1:75:A:LEU:HD21	1:75:A:LEU:HA	8	0.64
(2,727)	1:75:A:LEU:HD22	1:75:A:LEU:HA	8	0.64
(2,727)	1:75:A:LEU:HD23	1:75:A:LEU:HA	8	0.64
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	2	0.64
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	2	0.64
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	2	0.64
(2,720)	1:74:A:VAL:HB	1:74:A:VAL:H	20	0.64
(2,714)	1:102:A:ILE:HA	1:74:A:VAL:HB	18	0.64
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	5	0.64
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	5	0.64
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	5	0.64
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	14	0.64
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	14	0.64
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	14	0.64
(2,653)	1:72:A:ILE:H	1:72:A:ILE:HB	14	0.64
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	10	0.64
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	10	0.64
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	10	0.64
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	13	0.64
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	13	0.64
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	20	0.64
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	20	0.64
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	20	0.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG11	18	0.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG12	18	0.64
(2,614)	1:24:A:LEU:HB3	1:70:A:VAL:HG13	18	0.64
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	4	0.64
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	8	0.64
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	18	0.64
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	5	0.64
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	12	0.64
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	20	0.64
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	15	0.64
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	8	0.64
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	8	0.64
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	8	0.64
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	3	0.64
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	4	0.64
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	4	0.64
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	4	0.64
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	16	0.64
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	16	0.64
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	16	0.64
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	7	0.64
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	7	0.64
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	7	0.64
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	12	0.64
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	12	0.64
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	12	0.64
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	14	0.64
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	14	0.64
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	14	0.64
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	11	0.64
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	11	0.64
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	11	0.64
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	4	0.64
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	4	0.64
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	4	0.64
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	18	0.64
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	16	0.64
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,354)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	16	0.64
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	17	0.64
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	5	0.64
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	2	0.64
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	2	0.64
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	2	0.64
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	1	0.64
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	19	0.64
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	19	0.64
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	19	0.64
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	12	0.64
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	12	0.64
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	12	0.64
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	3	0.64
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	8	0.64
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	4	0.64
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	4	0.64
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	4	0.64
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	4	0.64
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	11	0.64
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	16	0.64
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	6	0.64
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	8	0.64
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	15	0.64
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	3	0.64
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	16	0.64
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	6	0.64
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	6	0.64
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	6	0.64
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	6	0.64
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	6	0.64
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	6	0.64
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	6	0.64
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	6	0.64
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	6	0.64
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	3	0.64
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	3	0.64
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	3	0.64
(2,47)	1:98:A:LEU:HD11	1:63:A:LEU:HB2	13	0.64
(2,47)	1:98:A:LEU:HD12	1:63:A:LEU:HB2	13	0.64
(2,47)	1:98:A:LEU:HD13	1:63:A:LEU:HB2	13	0.64
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	18	0.64
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	17	0.64
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	7	0.64
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	7	0.64
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	7	0.64
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	7	0.64
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	7	0.64
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	7	0.64
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	8	0.64
(1,892)	1:115:A:ILE:HB	1:41:A:MET:HG3	17	0.64
(1,805)	1:34:A:LEU:HG	1:108:A:PRO:HG2	2	0.64
(1,805)	1:34:A:LEU:HG	1:108:A:PRO:HG2	11	0.64
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	19	0.64
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	9	0.64
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	18	0.64
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	2	0.64
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	2	0.64
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	2	0.64
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	19	0.64
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	19	0.64
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	19	0.64
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	18	0.64
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	6	0.64
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	17	0.64
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	14	0.64
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	14	0.64
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	14	0.64
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	17	0.63
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	17	0.63
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	17	0.63
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	8	0.63
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	8	0.63
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	8	0.63
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	16	0.63
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	16	0.63
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	16	0.63
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	6	0.63
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	16	0.63
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	16	0.63
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	16	0.63
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	16	0.63
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	16	0.63
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	12	0.63
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	20	0.63
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	13	0.63
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	13	0.63
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	13	0.63
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	19	0.63
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	19	0.63
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	19	0.63
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	18	0.63
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	18	0.63
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	18	0.63
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	8	0.63
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	8	0.63
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	8	0.63
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	15	0.63
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	19	0.63
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	14	0.63
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	14	0.63
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	14	0.63
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	6	0.63
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	6	0.63
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	6	0.63
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	1	0.63
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	19	0.63
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	8	0.63
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	17	0.63
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	3	0.63
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	3	0.63
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	3	0.63
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	4	0.63
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	4	0.63
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	4	0.63
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	2	0.63
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	19	0.63
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	19	0.63
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	19	0.63
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	6	0.63
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	6	0.63
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	6	0.63
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	9	0.63
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	9	0.63
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	20	0.63
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	20	0.63
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	20	0.63
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	15	0.63
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	15	0.63
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	15	0.63
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	16	0.63
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	3	0.63
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	6	0.63
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	6	0.63
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	6	0.63
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	6	0.63
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	10	0.63
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	10	0.63
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	10	0.63
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	1	0.63
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	5	0.63
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	13	0.63
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	18	0.63
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	13	0.63
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	14	0.63
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	14	0.63
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	10	0.63
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	11	0.63
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	13	0.63
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	2	0.63
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	5	0.63
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	17	0.63
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	13	0.63
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	1	0.63
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	17	0.63
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	20	0.63
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	6	0.63
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	19	0.63
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	3	0.63
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	2	0.63
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	16	0.63
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	5	0.63
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	9	0.63
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	16	0.63
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	19	0.63
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	11	0.63
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	18	0.63
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	2	0.63
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	8	0.63
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	18	0.63
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	8	0.63
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	1	0.63
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	1	0.63
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	1	0.63
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	20	0.63
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	20	0.63
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	20	0.63
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	20	0.63
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	16	0.63
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	16	0.63
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	16	0.63
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	2	0.63
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	3	0.63
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	8	0.63
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	15	0.63
(2,1412)	1:118:A:PHE:HD1	1:118:A:PHE:HA	20	0.63
(2,1412)	1:118:A:PHE:HD2	1:118:A:PHE:HA	20	0.63
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	18	0.63
(2,1394)	1:116:A:LYS:H	1:116:A:LYS:HB2	16	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	12	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	12	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	12	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	12	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	12	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	12	0.63
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	12	0.63
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	12	0.63
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	12	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	18	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	18	0.63
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	18	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	18	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	18	0.63
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	18	0.63
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	18	0.63
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	18	0.63
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	12	0.63
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	1	0.63
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	17	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	1	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	2	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	3	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	5	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	6	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	8	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	9	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	10	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	11	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	12	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	14	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	15	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	16	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	19	0.63
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	20	0.63
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	3	0.63
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	8	0.63
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	14	0.63
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	9	0.63
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	9	0.63
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	9	0.63
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	9	0.63
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	9	0.63
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	9	0.63
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	9	0.63
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	9	0.63
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	9	0.63
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	1	0.63
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	10	0.63
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	11	0.63
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	13	0.63
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	14	0.63
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	20	0.63
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	7	0.63
(2,1220)	1:105:A:VAL:HG11	1:105:A:VAL:H	20	0.63
(2,1220)	1:105:A:VAL:HG12	1:105:A:VAL:H	20	0.63
(2,1220)	1:105:A:VAL:HG13	1:105:A:VAL:H	20	0.63
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	4	0.63
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	4	0.63
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	19	0.63
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	19	0.63
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	19	0.63
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	14	0.63
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	1	0.63
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	12	0.63
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	6	0.63
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	14	0.63
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	4	0.63
(2,1133)	1:103:A:ARG:HA	1:103:A:ARG:HB2	14	0.63
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	3	0.63
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	19	0.63
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	9	0.63
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	4	0.63
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	15	0.63
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	6	0.63
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	10	0.63
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	13	0.63
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	17	0.63
(2,1020)	1:93:A:ALA:HB1	1:99:A:PRO:HA	13	0.63
(2,1020)	1:93:A:ALA:HB2	1:99:A:PRO:HA	13	0.63
(2,1020)	1:93:A:ALA:HB3	1:99:A:PRO:HA	13	0.63
(2,1003)	1:98:A:LEU:HD11	1:98:A:LEU:HB3	18	0.63
(2,1003)	1:98:A:LEU:HD12	1:98:A:LEU:HB3	18	0.63
(2,1003)	1:98:A:LEU:HD13	1:98:A:LEU:HB3	18	0.63
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	10	0.63
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	20	0.63
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	7	0.63
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	18	0.63
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	14	0.63
(2,913)	1:89:A:ILE:HA	1:89:A:ILE:H	19	0.63
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	13	0.63
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	20	0.63
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	20	0.63
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	20	0.63
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	7	0.63
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	9	0.63
(2,900)	1:86:A:LYS:HG3	1:86:A:LYS:HB2	12	0.63
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	9	0.63
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	2	0.63
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	9	0.63
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	10	0.63
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	17	0.63
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	9	0.63
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	9	0.63
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	9	0.63
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	18	0.63
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	18	0.63
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	18	0.63
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	11	0.63
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	1	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	4	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	9	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	10	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	11	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	15	0.63
(2,744)	1:75:A:LEU:HG	1:75:A:LEU:HB3	17	0.63
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	4	0.63
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	4	0.63
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	4	0.63
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	19	0.63
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	11	0.63
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	11	0.63
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	11	0.63
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	11	0.63
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	11	0.63
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	11	0.63
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	11	0.63
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	20	0.63
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	20	0.63
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	20	0.63
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	13	0.63
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	13	0.63
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	13	0.63
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	2	0.63
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	2	0.63
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	6	0.63
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	6	0.63
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	6	0.63
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	5	0.63
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,599)	1:70:A:VAL:HG11	1:70:A:VAL:HA	2	0.63
(2,599)	1:70:A:VAL:HG12	1:70:A:VAL:HA	2	0.63
(2,599)	1:70:A:VAL:HG13	1:70:A:VAL:HA	2	0.63
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	3	0.63
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	3	0.63
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	3	0.63
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	1	0.63
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	11	0.63
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	12	0.63
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	13	0.63
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	16	0.63
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	3	0.63
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	17	0.63
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	17	0.63
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	17	0.63
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	2	0.63
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	19	0.63
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	5	0.63
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	10	0.63
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	4	0.63
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	15	0.63
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	2	0.63
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	16	0.63
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	16	0.63
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	16	0.63
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	8	0.63
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	7	0.63
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	13	0.63
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	6	0.63
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	20	0.63
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	12	0.63
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	12	0.63
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	12	0.63
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	12	0.63
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	12	0.63
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	12	0.63
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	12	0.63
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	12	0.63
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	12	0.63
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	3	0.63
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	3	0.63
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	1	0.63
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	8	0.63
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	6	0.63
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	8	0.63
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	6	0.63
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	5	0.63
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	12	0.63
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	12	0.63
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	12	0.63
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	6	0.63
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	6	0.63
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	6	0.63
(2,56)	1:25:A:VAL:HA	1:26:A:LEU:H	20	0.63
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	17	0.63
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	0.63
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	0.63
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	0.63
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	16	0.63
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	16	0.63
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	16	0.63
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	12	0.63
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	16	0.63
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	10	0.63
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	10	0.63
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	10	0.63
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	1	0.63
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	1	0.63
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	1	0.63
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD11	15	0.63
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD12	15	0.63
(1,1685)	1:51:A:THR:H	1:49:A:LEU:HD13	15	0.63
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	8	0.63
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	15	0.63
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	2	0.63
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	2	0.63
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	2	0.63
(1,689)	1:74:A:VAL:HG11	1:76:A:LEU:HB2	16	0.63
(1,689)	1:74:A:VAL:HG12	1:76:A:LEU:HB2	16	0.63
(1,689)	1:74:A:VAL:HG13	1:76:A:LEU:HB2	16	0.63
(1,623)	1:94:A:ARG:HA	1:94:A:ARG:HD2	11	0.63
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	6	0.63
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	15	0.63
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	6	0.63
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	6	0.63
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	6	0.63
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG11	6	0.63
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG12	6	0.63
(1,528)	1:82:A:ALA:HA	1:85:A:VAL:HG13	6	0.63
(1,386)	1:70:A:VAL:HG21	1:68:A:PRO:HA	14	0.63
(1,386)	1:70:A:VAL:HG22	1:68:A:PRO:HA	14	0.63
(1,386)	1:70:A:VAL:HG23	1:68:A:PRO:HA	14	0.63
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	3	0.63
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	12	0.63
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	15	0.63
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	15	0.63
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	15	0.63
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	15	0.63
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	15	0.63
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	15	0.63
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	5	0.62
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	5	0.62
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	5	0.62
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	10	0.62
(2,2765)	1:112:A:LYS:HG3	1:114:A:TRP:H	17	0.62
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	6	0.62
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	6	0.62
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	6	0.62
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	20	0.62
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	1	0.62
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	9	0.62
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	13	0.62
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	4	0.62
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	16	0.62
(2,2644)	1:93:A:ALA:HB1	1:100:A:VAL:H	8	0.62
(2,2644)	1:93:A:ALA:HB2	1:100:A:VAL:H	8	0.62
(2,2644)	1:93:A:ALA:HB3	1:100:A:VAL:H	8	0.62
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	15	0.62
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	9	0.62
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	16	0.62
(2,2488)	1:85:A:VAL:HG21	1:28:A:TRP:HE1	12	0.62
(2,2488)	1:85:A:VAL:HG22	1:28:A:TRP:HE1	12	0.62
(2,2488)	1:85:A:VAL:HG23	1:28:A:TRP:HE1	12	0.62
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	10	0.62
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	10	0.62
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	19	0.62
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	11	0.62
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	11	0.62
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	11	0.62
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	16	0.62
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	16	0.62
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	16	0.62
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	14	0.62
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	14	0.62
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	14	0.62
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	7	0.62
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	15	0.62
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	17	0.62
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	12	0.62
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	12	0.62
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	18	0.62
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	18	0.62
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	18	0.62
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	9	0.62
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	9	0.62
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	9	0.62
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	15	0.62
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	13	0.62
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	13	0.62
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	18	0.62
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	8	0.62
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	11	0.62
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	9	0.62
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	12	0.62
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	1	0.62
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	1	0.62
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	1	0.62
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	11	0.62
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	11	0.62
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	11	0.62
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	16	0.62
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	16	0.62
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	16	0.62
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	7	0.62
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	13	0.62
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	14	0.62
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	4	0.62
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	7	0.62
(2,1754)	1:35:A:ILE:HD11	1:35:A:ILE:H	14	0.62
(2,1754)	1:35:A:ILE:HD12	1:35:A:ILE:H	14	0.62
(2,1754)	1:35:A:ILE:HD13	1:35:A:ILE:H	14	0.62
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	7	0.62
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	7	0.62
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	19	0.62
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	12	0.62
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	2	0.62
(2,1641)	1:109:A:ASP:H	1:110:A:GLU:H	9	0.62
(2,1608)	1:65:A:SER:H	1:64:A:LYS:H	8	0.62
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	5	0.62
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	12	0.62
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	9	0.62
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	9	0.62
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	9	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	10	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	10	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	10	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	13	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	13	0.62
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	13	0.62
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	12	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	1	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	4	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	6	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	11	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	13	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	16	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	17	0.62
(2,1417)	1:118:A:PHE:HA	1:118:A:PHE:HB2	19	0.62
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	5	0.62
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	12	0.62
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	7	0.62
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	1	0.62
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	1	0.62
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	1	0.62
(2,1370)	1:115:A:ILE:H	1:115:A:ILE:HB	17	0.62
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	10	0.62
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	10	0.62
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	12	0.62
(2,1335)	1:113:A:ARG:HB3	1:113:A:ARG:HA	17	0.62
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	3	0.62
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	16	0.62
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	5	0.62
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	7	0.62
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	16	0.62
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	19	0.62
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	19	0.62
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	19	0.62
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	14	0.62
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	3	0.62
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	3	0.62
(2,1162)	1:104:A:LYS:HA	1:104:A:LYS:HB3	8	0.62
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	9	0.62
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	4	0.62
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	14	0.62
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	17	0.62
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	19	0.62
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	2	0.62
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	2	0.62
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	2	0.62
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	4	0.62
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	12	0.62
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	16	0.62
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	2	0.62
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	4	0.62
(2,1071)	1:101:A:ARG:HA	1:102:A:ILE:H	14	0.62
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	11	0.62
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	2	0.62
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	11	0.62
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	19	0.62
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	15	0.62
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	13	0.62
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	13	0.62
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	13	0.62
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	10	0.62
(2,981)	1:96:A:LYS:HB3	1:96:A:LYS:H	16	0.62
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	14	0.62
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	10	0.62
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	4	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	8	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	8	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	8	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	8	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	8	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	8	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	8	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	8	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	8	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	13	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	13	0.62
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	13	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	13	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	13	0.62
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	13	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	13	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	13	0.62
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	13	0.62
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	3	0.62
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	3	0.62
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	3	0.62
(2,868)	1:85:A:VAL:H	1:85:A:VAL:HB	19	0.62
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	4	0.62
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	4	0.62
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	4	0.62
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	3	0.62
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	14	0.62
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	6	0.62
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	19	0.62
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	1	0.62
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	1	0.62
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	1	0.62
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	7	0.62
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	10	0.62
(2,768)	1:76:A:LEU:HD11	1:76:A:LEU:HA	13	0.62
(2,768)	1:76:A:LEU:HD12	1:76:A:LEU:HA	13	0.62
(2,768)	1:76:A:LEU:HD13	1:76:A:LEU:HA	13	0.62
(2,753)	1:75:A:LEU:HD11	1:75:A:LEU:HA	8	0.62
(2,753)	1:75:A:LEU:HD12	1:75:A:LEU:HA	8	0.62
(2,753)	1:75:A:LEU:HD13	1:75:A:LEU:HA	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	20	0.62
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	17	0.62
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	17	0.62
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	17	0.62
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	19	0.62
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	11	0.62
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	16	0.62
(2,730)	1:75:A:LEU:HA	1:75:A:LEU:HB3	18	0.62
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	9	0.62
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	9	0.62
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	9	0.62
(2,716)	1:74:A:VAL:HA	1:75:A:LEU:H	12	0.62
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	4	0.62
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	4	0.62
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	4	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	4	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	4	0.62
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	4	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	4	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	4	0.62
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	4	0.62
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	3	0.62
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	3	0.62
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	3	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	3	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	3	0.62
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	3	0.62
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	10	0.62
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	10	0.62
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	10	0.62
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	19	0.62
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	19	0.62
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	19	0.62
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	19	0.62
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	19	0.62
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	19	0.62
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	19	0.62
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	19	0.62
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	19	0.62
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	9	0.62
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	9	0.62
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	20	0.62
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	7	0.62
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	7	0.62
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	7	0.62
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	10	0.62
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	10	0.62
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	10	0.62
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	11	0.62
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	11	0.62
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	11	0.62
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	3	0.62
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	16	0.62
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	15	0.62
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	11	0.62
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	4	0.62
(2,546)	1:66:A:LEU:HD11	1:63:A:LEU:HA	2	0.62
(2,546)	1:66:A:LEU:HD12	1:63:A:LEU:HA	2	0.62
(2,546)	1:66:A:LEU:HD13	1:63:A:LEU:HA	2	0.62
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	4	0.62
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	15	0.62
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	16	0.62
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	17	0.62
(2,496)	1:66:A:LEU:HB3	1:63:A:LEU:HA	12	0.62
(2,486)	1:62:A:ILE:HA	1:62:A:ILE:HG13	7	0.62
(2,476)	1:62:A:ILE:HA	1:62:A:ILE:HG12	18	0.62
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	19	0.62
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	19	0.62
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	19	0.62
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	17	0.62
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	1	0.62
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	19	0.62
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	16	0.62
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	7	0.62
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	7	0.62
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	12	0.62
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	12	0.62
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	12	0.62
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	13	0.62
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	13	0.62
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	13	0.62
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	9	0.62
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	9	0.62
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	9	0.62
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	9	0.62
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	9	0.62
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	9	0.62
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	9	0.62
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	9	0.62
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	19	0.62
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	9	0.62
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	20	0.62
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	20	0.62
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	20	0.62
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	20	0.62
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	20	0.62
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	20	0.62
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	20	0.62
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	20	0.62
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	20	0.62
(2,207)	1:35:A:ILE:HB	1:36:A:GLU:H	17	0.62
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	9	0.62
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	17	0.62
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	17	0.62
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	17	0.62
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	15	0.62
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	16	0.62
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	19	0.62
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	19	0.62
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	19	0.62
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	1	0.62
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	1	0.62
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	1	0.62
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	13	0.62
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	13	0.62
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	13	0.62
(2,81)	1:26:A:LEU:HA	1:27:A:ILE:H	20	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	2	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	2	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	2	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	9	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	9	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	9	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD21	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD22	13	0.62
(2,75)	1:26:A:LEU:HA	1:26:A:LEU:HD23	13	0.62
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	17	0.62
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	16	0.62
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	16	0.62
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	16	0.62
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	5	0.62
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	11	0.62
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	11	0.62
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	11	0.62
(1,2056)	1:83:A:ASP:H	1:80:A:LYS:HG2	7	0.62
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	1	0.62
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	17	0.62
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	20	0.62
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	20	0.62
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	20	0.62
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	20	0.62
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	20	0.62
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	20	0.62
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	8	0.62
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	8	0.62
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	8	0.62
(1,805)	1:34:A:LEU:HG	1:108:A:PRO:HG2	13	0.62
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	5	0.62
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	12	0.62
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	15	0.62
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	6	0.62
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	20	0.62
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	11	0.62
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	1	0.62
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	1	0.62
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	1	0.62
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	11	0.62
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	11	0.62
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	11	0.62
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	11	0.62
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	11	0.62
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	11	0.62
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	11	0.62
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	11	0.62
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	11	0.62
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	6	0.61
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	6	0.61
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	6	0.61
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	5	0.61
(2,2785)	1:73:A:LEU:HD11	1:115:A:ILE:H	12	0.61
(2,2785)	1:73:A:LEU:HD12	1:115:A:ILE:H	12	0.61
(2,2785)	1:73:A:LEU:HD13	1:115:A:ILE:H	12	0.61
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	4	0.61
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	4	0.61
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	4	0.61
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	5	0.61
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	7	0.61
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	6	0.61
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	9	0.61
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	18	0.61
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	17	0.61
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	17	0.61
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	17	0.61
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	1	0.61
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	16	0.61
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	11	0.61
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	8	0.61
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	7	0.61
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	7	0.61
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	7	0.61
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	8	0.61
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	8	0.61
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	4	0.61
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	13	0.61
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	16	0.61
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	3	0.61
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	3	0.61
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	3	0.61
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	12	0.61
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	12	0.61
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	12	0.61
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	3	0.61
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	3	0.61
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	3	0.61
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	9	0.61
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	9	0.61
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	16	0.61
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	16	0.61
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	16	0.61
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	13	0.61
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	12	0.61
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	12	0.61
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	12	0.61
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	9	0.61
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	9	0.61
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	9	0.61
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	13	0.61
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	18	0.61
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	14	0.61
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	14	0.61
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	1	0.61
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	1	0.61
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	1	0.61
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	14	0.61
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	14	0.61
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	14	0.61
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	9	0.61
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	9	0.61
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	9	0.61
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	9	0.61
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	19	0.61
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	11	0.61
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	17	0.61
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	3	0.61
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	10	0.61
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	3	0.61
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	8	0.61
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	2	0.61
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	11	0.61
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	6	0.61
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	8	0.61
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	13	0.61
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	13	0.61
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	17	0.61
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	20	0.61
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	2	0.61
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	8	0.61
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	9	0.61
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	15	0.61
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	10	0.61
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	8	0.61
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	8	0.61
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	8	0.61
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	14	0.61
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	14	0.61
(2,1640)	1:109:A:ASP:H	1:110:A:GLU:H	9	0.61
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	18	0.61
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	20	0.61
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	8	0.61
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	1	0.61
(2,1469)	1:113:A:ARG:HB2	1:113:A:ARG:HG3	5	0.61
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	20	0.61
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	4	0.61
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	3	0.61
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	4	0.61
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	9	0.61
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	1	0.61
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	7	0.61
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	4	0.61
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	7	0.61
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	7	0.61
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	7	0.61
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	17	0.61
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	1	0.61
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	13	0.61
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	5	0.61
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	19	0.61
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	1	0.61
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	10	0.61
(2,1077)	1:101:A:ARG:HB2	1:101:A:ARG:HA	18	0.61
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	10	0.61
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	3	0.61
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	16	0.61
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	1	0.61
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	7	0.61
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	2	0.61
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	16	0.61
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	17	0.61
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	11	0.61
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	11	0.61
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	2	0.61
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	6	0.61
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	1	0.61
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	17	0.61
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	18	0.61
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	19	0.61
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	19	0.61
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	19	0.61
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	19	0.61
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	19	0.61
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	19	0.61
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	19	0.61
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	19	0.61
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	19	0.61
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	5	0.61
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	3	0.61
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	14	0.61
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	9	0.61
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	2	0.61
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	7	0.61
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	7	0.61
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	7	0.61
(2,736)	1:27:A:ILE:HD11	1:75:A:LEU:HB2	15	0.61
(2,736)	1:27:A:ILE:HD12	1:75:A:LEU:HB2	15	0.61
(2,736)	1:27:A:ILE:HD13	1:75:A:LEU:HB2	15	0.61
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	13	0.61
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	13	0.61
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	13	0.61
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	14	0.61
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	14	0.61
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	14	0.61
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	15	0.61
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	15	0.61
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	15	0.61
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	7	0.61
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	15	0.61
(2,591)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	14	0.61
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	13	0.61
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	13	0.61
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	14	0.61
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	14	0.61
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	14	0.61
(2,530)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	9	0.61
(2,530)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	9	0.61
(2,530)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	9	0.61
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	19	0.61
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	8	0.61
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	8	0.61
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	8	0.61
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	18	0.61
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	18	0.61
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	18	0.61
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	18	0.61
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	14	0.61
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	3	0.61
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	14	0.61
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	12	0.61
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	17	0.61
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	18	0.61
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	17	0.61
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	17	0.61
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	17	0.61
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	18	0.61
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	6	0.61
(2,327)	1:48:A:TYR:HA	1:49:A:LEU:H	20	0.61
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	7	0.61
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	13	0.61
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	6	0.61
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	20	0.61
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	20	0.61
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	20	0.61
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	20	0.61
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	20	0.61
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	20	0.61
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	20	0.61
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	20	0.61
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	20	0.61
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	1	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	2	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	2	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	2	0.61
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	2	0.61
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	2	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	2	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	2	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	2	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	15	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	15	0.61
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	15	0.61
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	15	0.61
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	15	0.61
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	15	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	15	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	15	0.61
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	15	0.61
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	17	0.61
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	17	0.61
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	17	0.61
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	20	0.61
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	9	0.61
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	10	0.61
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	4	0.61
(2,144)	1:31:A:ASP:HA	1:31:A:ASP:HB2	10	0.61
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	1	0.61
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	1	0.61
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	1	0.61
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	1	0.61
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	1	0.61
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	1	0.61
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	1	0.61
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	1	0.61
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	1	0.61
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	13	0.61
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	13	0.61
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	13	0.61
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	5	0.61
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	5	0.61
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	5	0.61
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	16	0.61
(1,916)	1:118:A:PHE:HA	1:121:A:GLU:HG3	18	0.61
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	11	0.61
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	9	0.61
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	14	0.61
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	7	0.61
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	7	0.61
(1,9)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	7	0.61
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	7	0.61
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	7	0.61
(1,9)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	7	0.61
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	7	0.61
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	7	0.61
(1,9)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	7	0.61
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	2	0.61
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	2	0.61
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	2	0.61
(2,2841)	1:23:A:LEU:HD21	1:121:A:GLU:H	18	0.6
(2,2841)	1:23:A:LEU:HD22	1:121:A:GLU:H	18	0.6
(2,2841)	1:23:A:LEU:HD23	1:121:A:GLU:H	18	0.6
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	10	0.6
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	7	0.6
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	7	0.6
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	7	0.6
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	5	0.6
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	5	0.6
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	5	0.6
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	19	0.6
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	19	0.6
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	19	0.6
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	3	0.6
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	16	0.6
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	8	0.6
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	10	0.6
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	16	0.6
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	19	0.6
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	13	0.6
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	13	0.6
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	13	0.6
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	16	0.6
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	5	0.6
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	20	0.6
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	6	0.6
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	3	0.6
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	7	0.6
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	7	0.6
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	14	0.6
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	14	0.6
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	14	0.6
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	19	0.6
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	19	0.6
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	19	0.6
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	10	0.6
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	10	0.6
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	10	0.6
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	6	0.6
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	6	0.6
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	18	0.6
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	18	0.6
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	1	0.6
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	14	0.6
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	1	0.6
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	4	0.6
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	13	0.6
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	10	0.6
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	10	0.6
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	19	0.6
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	2	0.6
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	2	0.6
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	2	0.6
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	8	0.6
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	8	0.6
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	8	0.6
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	5	0.6
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	9	0.6
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	18	0.6
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	12	0.6
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	2	0.6
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	3	0.6
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	10	0.6
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	13	0.6
(2,2011)	1:113:A:ARG:H	1:113:A:ARG:HD3	14	0.6
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	17	0.6
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	17	0.6
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	17	0.6
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	8	0.6
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	19	0.6
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	13	0.6
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	4	0.6
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	4	0.6
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	4	0.6
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	6	0.6
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	16	0.6
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	10	0.6
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	18	0.6
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	1	0.6
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	5	0.6
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	17	0.6
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	20	0.6
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	9	0.6
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	9	0.6
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	9	0.6
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	13	0.6
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	1	0.6
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	20	0.6
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	15	0.6
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	16	0.6
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	20	0.6
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	3	0.6
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	5	0.6
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	7	0.6
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	8	0.6
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	18	0.6
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	18	0.6
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	18	0.6
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	18	0.6
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	18	0.6
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	18	0.6
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	18	0.6
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	18	0.6
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	18	0.6
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	3	0.6
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	3	0.6
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	3	0.6
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	5	0.6
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	5	0.6
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	16	0.6
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	16	0.6
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	16	0.6
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	15	0.6
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	2	0.6
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	2	0.6
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	2	0.6
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	7	0.6
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	7	0.6
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	7	0.6
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	9	0.6
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	9	0.6
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	9	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	2	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	3	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	5	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	9	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	12	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	13	0.6
(2,1449)	1:120:A:GLU:HB3	1:120:A:GLU:HG3	14	0.6
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	13	0.6
(2,1396)	1:117:A:GLU:HA	1:117:A:GLU:HG3	16	0.6
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	4	0.6
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	5	0.6
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	5	0.6
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	5	0.6
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	7	0.6
(2,1329)	1:113:A:ARG:HA	1:116:A:LYS:HB2	19	0.6
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	19	0.6
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	4	0.6
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	4	0.6
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	4	0.6
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	4	0.6
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	4	0.6
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	4	0.6
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	4	0.6
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	4	0.6
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	4	0.6
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	15	0.6
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	15	0.6
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	15	0.6
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	6	0.6
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	6	0.6
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	6	0.6
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	1	0.6
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	10	0.6
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	19	0.6
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	5	0.6
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	12	0.6
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	5	0.6
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	5	0.6
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	5	0.6
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	9	0.6
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	9	0.6
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	9	0.6
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	10	0.6
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	10	0.6
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	10	0.6
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	14	0.6
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	8	0.6
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	10	0.6
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	13	0.6
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	16	0.6
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	11	0.6
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	10	0.6
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	10	0.6
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	10	0.6
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	12	0.6
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	12	0.6
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	12	0.6
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	18	0.6
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	18	0.6
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	18	0.6
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	12	0.6
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	20	0.6
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	9	0.6
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	14	0.6
(2,1027)	1:99:A:PRO:HD3	1:99:A:PRO:HB3	3	0.6
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD21	15	0.6
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD22	15	0.6
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD23	15	0.6
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD21	15	0.6
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD22	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD23	15	0.6
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD21	15	0.6
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD22	15	0.6
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD23	15	0.6
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	20	0.6
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	4	0.6
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	6	0.6
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	18	0.6
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	12	0.6
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	14	0.6
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	9	0.6
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	9	0.6
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	9	0.6
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	6	0.6
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	7	0.6
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	1	0.6
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	1	0.6
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	1	0.6
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	7	0.6
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	11	0.6
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	13	0.6
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	2	0.6
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	20	0.6
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	15	0.6
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	15	0.6
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	15	0.6
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	16	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	1	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	1	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	1	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	3	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	3	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	3	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	5	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	5	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	5	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	6	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	6	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	6	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	7	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	7	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	8	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	8	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	8	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	9	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	9	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	9	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	10	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	10	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	10	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	12	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	12	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	12	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	14	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	14	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	14	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	15	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	15	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	15	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	16	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	16	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	16	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	17	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	17	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	17	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	18	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	18	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	18	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	19	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	19	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	19	0.6
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	20	0.6
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	20	0.6
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	20	0.6
(2,652)	1:72:A:ILE:HG21	1:72:A:ILE:HA	7	0.6
(2,652)	1:72:A:ILE:HG22	1:72:A:ILE:HA	7	0.6
(2,652)	1:72:A:ILE:HG23	1:72:A:ILE:HA	7	0.6
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG11	15	0.6
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG12	15	0.6
(2,625)	1:23:A:LEU:HA	1:70:A:VAL:HG13	15	0.6
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	1	0.6
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	1	0.6
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	8	0.6
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	2	0.6
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	10	0.6
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	13	0.6
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	7	0.6
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	9	0.6
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	20	0.6
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	20	0.6
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	20	0.6
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	8	0.6
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	6	0.6
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	2	0.6
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	2	0.6
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	2	0.6
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	8	0.6
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	8	0.6
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	8	0.6
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	11	0.6
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	11	0.6
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	11	0.6
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	19	0.6
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	19	0.6
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	19	0.6
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	5	0.6
(2,419)	1:56:A:ASP:H	1:56:A:ASP:HA	12	0.6
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	2	0.6
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	4	0.6
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	19	0.6
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	6	0.6
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	19	0.6
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	5	0.6
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	5	0.6
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	5	0.6
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	5	0.6
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	5	0.6
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	5	0.6
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	5	0.6
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	5	0.6
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	5	0.6
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	5	0.6
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	12	0.6
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	5	0.6
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	17	0.6
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	11	0.6
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	11	0.6
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	11	0.6
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	2	0.6
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	2	0.6
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	2	0.6
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	7	0.6
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	7	0.6
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	7	0.6
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	2	0.6
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	2	0.6
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	2	0.6
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	2	0.6
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	2	0.6
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	2	0.6
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	2	0.6
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	2	0.6
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	2	0.6
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	13	0.6
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	5	0.6
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	17	0.6
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	16	0.6
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	14	0.6
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	14	0.6
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	14	0.6
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	14	0.6
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	1	0.6
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	1	0.6
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	1	0.6
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	16	0.6
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	16	0.6
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	16	0.6
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	5	0.6
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	5	0.6
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	5	0.6
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	5	0.6
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	5	0.6
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	5	0.6
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	5	0.6
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	5	0.6
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	17	0.6
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	17	0.6
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	17	0.6
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	15	0.6
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	13	0.6
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	13	0.6
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	13	0.6
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	13	0.6
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	13	0.6
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	13	0.6
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	13	0.6
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	13	0.6
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	13	0.6
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	6	0.6
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	6	0.6
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	6	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	5	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	5	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	5	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	12	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	12	0.6
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	12	0.6
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	0.6
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	0.6
(2,49)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	0.6
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	1	0.6
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	15	0.6
(2,20)	1:49:A:LEU:HD11	1:49:A:LEU:HB2	12	0.6
(2,20)	1:49:A:LEU:HD12	1:49:A:LEU:HB2	12	0.6
(2,20)	1:49:A:LEU:HD13	1:49:A:LEU:HB2	12	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	2	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	2	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	2	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	2	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	2	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	2	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	2	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	2	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	2	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	4	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	4	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	4	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	4	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	4	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	4	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	4	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	4	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	6	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	6	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	6	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	6	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	6	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	6	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	6	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	6	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	6	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	7	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	7	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	7	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	7	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	7	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	7	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	7	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	7	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	7	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	10	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	10	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	10	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	10	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	10	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	10	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	10	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	10	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	10	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	11	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	11	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	11	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	11	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	11	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	11	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	11	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	11	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	14	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	14	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	14	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	14	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	14	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	14	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	14	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	14	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	14	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	15	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	15	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	15	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	15	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	15	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	15	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	15	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	15	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	15	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	19	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	19	0.6
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	19	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	19	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	19	0.6
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	19	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	19	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	19	0.6
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	19	0.6
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD11	13	0.6
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD12	13	0.6
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD13	13	0.6
(1,1376)	1:82:A:ALA:H	1:80:A:LYS:HG2	7	0.6
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	1	0.6
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	4	0.6
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	11	0.6
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	2	0.6
(1,559)	1:85:A:VAL:HG21	1:89:A:ILE:HG12	15	0.6
(1,559)	1:85:A:VAL:HG22	1:89:A:ILE:HG12	15	0.6
(1,559)	1:85:A:VAL:HG23	1:89:A:ILE:HG12	15	0.6
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	10	0.6
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	10	0.6
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	3	0.6
(1,73)	1:35:A:ILE:HD11	1:29:A:SER:HB2	5	0.6
(1,73)	1:35:A:ILE:HD12	1:29:A:SER:HB2	5	0.6
(1,73)	1:35:A:ILE:HD13	1:29:A:SER:HB2	5	0.6
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD21	7	0.6
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD22	7	0.6
(1,58)	1:23:A:LEU:HD11	1:47:A:LEU:HD23	7	0.6
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD21	7	0.6
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD22	7	0.6
(1,58)	1:23:A:LEU:HD12	1:47:A:LEU:HD23	7	0.6
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD21	7	0.6
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD22	7	0.6
(1,58)	1:23:A:LEU:HD13	1:47:A:LEU:HD23	7	0.6
(2,2829)	1:117:A:GLU:HA	1:120:A:GLU:H	6	0.59
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	3	0.59
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	19	0.59
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	19	0.59
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	19	0.59
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	7	0.59
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	7	0.59
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	7	0.59
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	13	0.59
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	13	0.59
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	13	0.59
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	18	0.59
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	18	0.59
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	18	0.59
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	3	0.59
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	10	0.59
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	4	0.59
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	4	0.59
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	4	0.59
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	1	0.59
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	3	0.59
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	8	0.59
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	5	0.59
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	10	0.59
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	7	0.59
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	8	0.59
(2,2381)	1:63:A:LEU:HB2	1:64:A:LYS:H	4	0.59
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	11	0.59
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	19	0.59
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	19	0.59
(2,2317)	1:47:A:LEU:HD11	1:46:A:ASN:H	13	0.59
(2,2317)	1:47:A:LEU:HD12	1:46:A:ASN:H	13	0.59
(2,2317)	1:47:A:LEU:HD13	1:46:A:ASN:H	13	0.59
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	14	0.59
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	13	0.59
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	13	0.59
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	13	0.59
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	5	0.59
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	5	0.59
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	5	0.59
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	16	0.59
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	20	0.59
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	11	0.59
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	16	0.59
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	14	0.59
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	14	0.59
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	14	0.59
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	16	0.59
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	7	0.59
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	5	0.59
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	11	0.59
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	8	0.59
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	20	0.59
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	20	0.59
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	2	0.59
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	15	0.59
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	8	0.59
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	8	0.59
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	8	0.59
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	1	0.59
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	4	0.59
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	12	0.59
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	5	0.59
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	5	0.59
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	9	0.59
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	14	0.59
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	1	0.59
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	3	0.59
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	8	0.59
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	8	0.59
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	17	0.59
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	12	0.59
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	12	0.59
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	12	0.59
(2,1498)	1:52:A:LEU:HA	1:53:A:GLU:H	9	0.59
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	5	0.59
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	5	0.59
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	5	0.59
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	5	0.59
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	5	0.59
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	5	0.59
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	5	0.59
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	5	0.59
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	5	0.59
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	7	0.59
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	18	0.59
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	13	0.59
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	16	0.59
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	9	0.59
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	11	0.59
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	11	0.59
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	1	0.59
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	15	0.59
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	2	0.59
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	7	0.59
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	12	0.59
(2,1145)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	17	0.59
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	1	0.59
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	4	0.59
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	14	0.59
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	18	0.59
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	20	0.59
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	1	0.59
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	13	0.59
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	16	0.59
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	16	0.59
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	16	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	2	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	3	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	5	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	13	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	14	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	15	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	19	0.59
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	20	0.59
(2,1048)	1:99:A:PRO:HA	1:99:A:PRO:HG2	12	0.59
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	15	0.59
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	4	0.59
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	4	0.59
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	4	0.59
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	4	0.59
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	5	0.59
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	20	0.59
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	8	0.59
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	11	0.59
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	14	0.59
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	12	0.59
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	20	0.59
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	6	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	1	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	1	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	1	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	2	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	2	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	2	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	3	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	3	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	3	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	4	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	4	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	4	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	5	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	5	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	5	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	6	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	6	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	6	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	9	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	9	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	9	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	10	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	10	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	11	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	11	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	11	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	12	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	12	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	12	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	14	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	14	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	14	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	15	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	15	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	15	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	16	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	16	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	16	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	17	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	17	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	17	0.59
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	19	0.59
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	19	0.59
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	19	0.59
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	15	0.59
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	2	0.59
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	14	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	1	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	1	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	1	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	2	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	2	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	2	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	4	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	4	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	4	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	6	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	6	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	6	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	7	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	7	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	7	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	9	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	9	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	10	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	10	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	10	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	12	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	12	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	12	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	13	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	13	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	13	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	14	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	14	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	14	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	15	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	15	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	15	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	16	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	16	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	16	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	19	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	19	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	19	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	20	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	20	0.59
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	20	0.59
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	17	0.59
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	17	0.59
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	17	0.59
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	15	0.59
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	15	0.59
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	15	0.59
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	18	0.59
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	18	0.59
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	18	0.59
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	6	0.59
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	4	0.59
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	4	0.59
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	4	0.59
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	5	0.59
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	13	0.59
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	20	0.59
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	5	0.59
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	5	0.59
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	3	0.59
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	3	0.59
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	3	0.59
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	20	0.59
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	20	0.59
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	20	0.59
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	2	0.59
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	2	0.59
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	2	0.59
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	4	0.59
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	4	0.59
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	4	0.59
(2,677)	1:102:A:ILE:HG21	1:102:A:ILE:HB	11	0.59
(2,677)	1:102:A:ILE:HG22	1:102:A:ILE:HB	11	0.59
(2,677)	1:102:A:ILE:HG23	1:102:A:ILE:HB	11	0.59
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	2	0.59
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	2	0.59
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	2	0.59
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	19	0.59
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	19	0.59
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	19	0.59
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	16	0.59
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	16	0.59
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	16	0.59
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	15	0.59
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	12	0.59
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	2	0.59
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	14	0.59
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	20	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	1	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	6	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	12	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	15	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	18	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	19	0.59
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	20	0.59
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	10	0.59
(2,457)	1:89:A:ILE:HG21	1:92:A:LYS:HE2	5	0.59
(2,457)	1:89:A:ILE:HG22	1:92:A:LYS:HE2	5	0.59
(2,457)	1:89:A:ILE:HG23	1:92:A:LYS:HE2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	11	0.59
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	11	0.59
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	18	0.59
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	9	0.59
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	13	0.59
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	18	0.59
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	18	0.59
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	18	0.59
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	19	0.59
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	12	0.59
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	9	0.59
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	9	0.59
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	9	0.59
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	13	0.59
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	15	0.59
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	15	0.59
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	15	0.59
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	15	0.59
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	15	0.59
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	15	0.59
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	15	0.59
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	15	0.59
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	15	0.59
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	15	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	1	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	1	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	1	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	3	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	3	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	3	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	5	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	5	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	5	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	10	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	10	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	10	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	15	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	15	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	15	0.59
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	17	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	17	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	18	0.59
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	18	0.59
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	18	0.59
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	9	0.59
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	9	0.59
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	9	0.59
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	18	0.59
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	18	0.59
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	18	0.59
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	1	0.59
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	6	0.59
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	8	0.59
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	3	0.59
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	19	0.59
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	19	0.59
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	19	0.59
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	7	0.59
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	10	0.59
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	17	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	2	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	2	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	2	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	3	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	3	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	3	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	5	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	5	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	5	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	11	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	11	0.59
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	11	0.59
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	6	0.59
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	2	0.59
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	20	0.59
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	1	0.59
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	3	0.59
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	5	0.59
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	7	0.59
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	7	0.59
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	7	0.59
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	7	0.59
(2,67)	1:25:A:VAL:HG21	1:25:A:VAL:H	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:25:A:VAL:HG22	1:25:A:VAL:H	7	0.59
(2,67)	1:25:A:VAL:HG23	1:25:A:VAL:H	7	0.59
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	9	0.59
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	9	0.59
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	9	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	4	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	4	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	4	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	6	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	6	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	6	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	10	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	10	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	10	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	11	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	11	0.59
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	11	0.59
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	12	0.59
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	12	0.59
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	12	0.59
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	19	0.59
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	7	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	1	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	1	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	1	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	1	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	1	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	1	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	1	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	1	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	1	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	3	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	3	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	3	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	3	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	3	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	3	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	3	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	3	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	3	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	5	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	5	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	5	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	5	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	5	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	5	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	5	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	5	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	8	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	8	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	8	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	8	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	8	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	8	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	8	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	8	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	8	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	9	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	9	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	9	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	9	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	9	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	9	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	9	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	9	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	9	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	12	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	12	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	12	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	12	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	12	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	12	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	12	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	12	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	12	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	16	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	16	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	16	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	16	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	16	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	16	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	16	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	16	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	18	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	18	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	18	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	18	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	18	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	18	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	18	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	18	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	18	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	20	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	20	0.59
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	20	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	20	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	20	0.59
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	20	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	20	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	20	0.59
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	20	0.59
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	15	0.59
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	10	0.59
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	10	0.59
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	10	0.59
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG21	2	0.59
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG22	2	0.59
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG23	2	0.59
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	12	0.59
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	20	0.59
(1,623)	1:94:A:ARG:HA	1:94:A:ARG:HD2	12	0.59
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	6	0.59
(1,125)	1:35:A:ILE:HD11	1:32:A:LYS:HE2	17	0.59
(1,125)	1:35:A:ILE:HD12	1:32:A:LYS:HE2	17	0.59
(1,125)	1:35:A:ILE:HD13	1:32:A:LYS:HE2	17	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	1	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	1	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	1	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	2	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	2	0.59
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	2	0.59
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	18	0.58
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	3	0.58
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	3	0.58
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	18	0.58
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	18	0.58
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	18	0.58
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	5	0.58
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	17	0.58
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	19	0.58
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	19	0.58
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	19	0.58
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	2	0.58
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	6	0.58
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	15	0.58
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	18	0.58
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	9	0.58
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	9	0.58
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	9	0.58
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	3	0.58
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	19	0.58
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	5	0.58
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	5	0.58
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	6	0.58
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	6	0.58
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	6	0.58
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	17	0.58
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	17	0.58
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	17	0.58
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	13	0.58
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	13	0.58
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	13	0.58
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	15	0.58
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	7	0.58
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	7	0.58
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	7	0.58
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	1	0.58
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	18	0.58
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	14	0.58
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	17	0.58
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	1	0.58
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	3	0.58
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	8	0.58
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	11	0.58
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	15	0.58
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	5	0.58
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	12	0.58
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	19	0.58
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	20	0.58
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	18	0.58
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	20	0.58
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	11	0.58
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	16	0.58
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	18	0.58
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	18	0.58
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	18	0.58
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	14	0.58
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	5	0.58
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	13	0.58
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	18	0.58
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	9	0.58
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	19	0.58
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	6	0.58
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	7	0.58
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	11	0.58
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	11	0.58
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	11	0.58
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	20	0.58
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	9	0.58
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	13	0.58
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	13	0.58
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	13	0.58
(2,1731)	1:26:A:LEU:HD21	1:26:A:LEU:H	20	0.58
(2,1731)	1:26:A:LEU:HD22	1:26:A:LEU:H	20	0.58
(2,1731)	1:26:A:LEU:HD23	1:26:A:LEU:H	20	0.58
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	13	0.58
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	17	0.58
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	19	0.58
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	18	0.58
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	12	0.58
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	6	0.58
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	11	0.58
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	4	0.58
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	3	0.58
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	5	0.58
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	5	0.58
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	5	0.58
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	5	0.58
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	5	0.58
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	5	0.58
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	5	0.58
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	5	0.58
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	20	0.58
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	4	0.58
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	4	0.58
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	4	0.58
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	17	0.58
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	17	0.58
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	17	0.58
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	17	0.58
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	6	0.58
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	15	0.58
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	15	0.58
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	15	0.58
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	15	0.58
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	15	0.58
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	15	0.58
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	15	0.58
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	15	0.58
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	15	0.58
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	11	0.58
(2,1329)	1:113:A:ARG:HA	1:116:A:LYS:HB2	14	0.58
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	16	0.58
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	16	0.58
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	16	0.58
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	12	0.58
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	3	0.58
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	3	0.58
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	9	0.58
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	5	0.58
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	5	0.58
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	5	0.58
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	1	0.58
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	1	0.58
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	1	0.58
(2,1201)	1:105:A:VAL:HG21	1:111:A:ALA:HA	9	0.58
(2,1201)	1:105:A:VAL:HG22	1:111:A:ALA:HA	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1201)	1:105:A:VAL:HG23	1:111:A:ALA:HA	9	0.58
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	17	0.58
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	16	0.58
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	19	0.58
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	19	0.58
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	18	0.58
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	4	0.58
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	15	0.58
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	5	0.58
(2,1144)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	19	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	1	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	1	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	1	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	16	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	16	0.58
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	16	0.58
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	13	0.58
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	18	0.58
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	7	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	1	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	4	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	6	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	8	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	9	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	10	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	12	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	16	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	17	0.58
(2,1055)	1:100:A:VAL:HA	1:100:A:VAL:H	18	0.58
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	8	0.58
(2,1028)	1:99:A:PRO:HD2	1:99:A:PRO:HB3	18	0.58
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	4	0.58
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	4	0.58
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	4	0.58
(2,1005)	1:98:A:LEU:HD21	1:98:A:LEU:HA	7	0.58
(2,1005)	1:98:A:LEU:HD22	1:98:A:LEU:HA	7	0.58
(2,1005)	1:98:A:LEU:HD23	1:98:A:LEU:HA	7	0.58
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	10	0.58
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	1	0.58
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	7	0.58
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	20	0.58
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	15	0.58
(2,954)	1:121:A:GLU:H	1:121:A:GLU:HA	15	0.58
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	5	0.58
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	5	0.58
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	5	0.58
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	20	0.58
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	20	0.58
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	20	0.58
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	20	0.58
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	20	0.58
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	20	0.58
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	20	0.58
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	20	0.58
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	20	0.58
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	7	0.58
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	7	0.58
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	7	0.58
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	8	0.58
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	8	0.58
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	8	0.58
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	13	0.58
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	13	0.58
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	13	0.58
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	18	0.58
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	18	0.58
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	18	0.58
(2,929)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	0.58
(2,929)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	0.58
(2,929)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	0.58
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	3	0.58
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	20	0.58
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	5	0.58
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	5	0.58
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	5	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	3	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	3	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	3	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	5	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	5	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	5	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	8	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	8	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	11	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	11	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	11	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	17	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	17	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	17	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB1	18	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB2	18	0.58
(2,827)	1:82:A:ALA:HA	1:82:A:ALA:HB3	18	0.58
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	1	0.58
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	12	0.58
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	8	0.58
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	8	0.58
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	8	0.58
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	12	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	2	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	4	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	7	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	8	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	9	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	10	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	11	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	15	0.58
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	17	0.58
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	4	0.58
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	4	0.58
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	4	0.58
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	19	0.58
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	19	0.58
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	19	0.58
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	14	0.58
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	14	0.58
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	14	0.58
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	17	0.58
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	17	0.58
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	17	0.58
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	9	0.58
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	9	0.58
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	9	0.58
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	3	0.58
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	1	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	3	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	4	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	6	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	12	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	13	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	15	0.58
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	16	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	3	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	4	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	5	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	7	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	8	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	9	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	14	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	16	0.58
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	17	0.58
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	5	0.58
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	4	0.58
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	4	0.58
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	4	0.58
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	1	0.58
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	3	0.58
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	8	0.58
(2,415)	1:55:A:ASP:HB2	1:55:A:ASP:HA	10	0.58
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	6	0.58
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	19	0.58
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	19	0.58
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	19	0.58
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	13	0.58
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	13	0.58
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	13	0.58
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	15	0.58
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	4	0.58
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	19	0.58
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	7	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	4	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	4	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	4	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	6	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	6	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	8	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	8	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	8	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	11	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	11	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	11	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	12	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	12	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	12	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	13	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	13	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	13	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	14	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	14	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	14	0.58
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	16	0.58
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	16	0.58
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	16	0.58
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	3	0.58
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	5	0.58
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	13	0.58
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	5	0.58
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	5	0.58
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	5	0.58
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	8	0.58
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	10	0.58
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	3	0.58
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	10	0.58
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	10	0.58
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	10	0.58
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	20	0.58
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	20	0.58
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	20	0.58
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	20	0.58
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	20	0.58
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	20	0.58
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	20	0.58
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	20	0.58
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	20	0.58
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	12	0.58
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	1	0.58
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,157)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	13	0.58
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	9	0.58
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	9	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	1	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	2	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	4	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	6	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	8	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	9	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	10	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	11	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	12	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	13	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	14	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	15	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	16	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	17	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	18	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	19	0.58
(2,139)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	20	0.58
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	16	0.58
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	19	0.58
(2,121)	1:28:A:TRP:HA	1:35:A:ILE:HG13	14	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	2	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	2	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	2	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	5	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	5	0.58
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	5	0.58
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	10	0.58
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	10	0.58
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	10	0.58
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	10	0.58
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	10	0.58
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	10	0.58
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	10	0.58
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	10	0.58
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	10	0.58
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	14	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	1	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	1	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	8	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	8	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	8	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	9	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	9	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	9	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	17	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	17	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	17	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	19	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	19	0.58
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	19	0.58
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	19	0.58
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	19	0.58
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	19	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	13	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	13	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	13	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	13	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	13	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	13	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	13	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	13	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	13	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD21	17	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD22	17	0.58
(2,18)	1:23:A:LEU:HD11	1:23:A:LEU:HD23	17	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD21	17	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD22	17	0.58
(2,18)	1:23:A:LEU:HD12	1:23:A:LEU:HD23	17	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD21	17	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD22	17	0.58
(2,18)	1:23:A:LEU:HD13	1:23:A:LEU:HD23	17	0.58
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	7	0.58
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	7	0.58
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	7	0.58
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	12	0.58
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	15	0.58
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	8	0.58
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	3	0.58
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	15	0.58
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	13	0.58
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	2	0.58
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	2	0.58
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	2	0.58
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	7	0.58
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	7	0.58
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	7	0.58
(1,475)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	9	0.58
(1,475)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	9	0.58
(1,475)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	9	0.58
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	4	0.58
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	9	0.58
(1,224)	1:25:A:VAL:HB	1:49:A:LEU:HD21	15	0.58
(1,224)	1:25:A:VAL:HB	1:49:A:LEU:HD22	15	0.58
(1,224)	1:25:A:VAL:HB	1:49:A:LEU:HD23	15	0.58
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	3	0.57
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	8	0.57
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	19	0.57
(2,2707)	1:107:A:SER:HB2	1:110:A:GLU:H	14	0.57
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	7	0.57
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	3	0.57
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	3	0.57
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	3	0.57
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	9	0.57
(2,2537)	1:80:A:LYS:HG2	1:83:A:ASP:H	12	0.57
(2,2523)	1:79:A:THR:HG1	1:82:A:ALA:H	3	0.57
(2,2521)	1:82:A:ALA:H	1:81:A:ASP:HB3	10	0.57
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	9	0.57
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	20	0.57
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	20	0.57
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	20	0.57
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	16	0.57
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	1	0.57
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	2	0.57
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	2	0.57
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	2	0.57
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	3	0.57
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	3	0.57
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	3	0.57
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	3	0.57
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	11	0.57
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	8	0.57
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	8	0.57
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	16	0.57
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	19	0.57
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	1	0.57
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	1	0.57
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	14	0.57
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	14	0.57
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	16	0.57
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	16	0.57
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	12	0.57
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	9	0.57
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	6	0.57
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	4	0.57
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	4	0.57
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	4	0.57
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	20	0.57
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	20	0.57
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	20	0.57
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	4	0.57
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	10	0.57
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	3	0.57
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	12	0.57
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	3	0.57
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	15	0.57
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	2	0.57
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	10	0.57
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	20	0.57
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	11	0.57
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	16	0.57
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	3	0.57
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	20	0.57
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	20	0.57
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	14	0.57
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	19	0.57
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	5	0.57
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	5	0.57
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	5	0.57
(2,1705)	1:67:A:GLY:H	1:66:A:LEU:H	2	0.57
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	17	0.57
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	16	0.57
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	19	0.57
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	16	0.57
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	16	0.57
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	16	0.57
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	16	0.57
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	16	0.57
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	16	0.57
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	16	0.57
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	16	0.57
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	16	0.57
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	1	0.57
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	1	0.57
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	1	0.57
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	14	0.57
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	14	0.57
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	14	0.57
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	17	0.57
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	17	0.57
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	17	0.57
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	1	0.57
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	1	0.57
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	1	0.57
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	1	0.57
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	1	0.57
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	1	0.57
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	1	0.57
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	1	0.57
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	1	0.57
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD11	7	0.57
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD12	7	0.57
(2,1493)	1:63:A:LEU:HB3	1:63:A:LEU:HD13	7	0.57
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	4	0.57
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	4	0.57
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	4	0.57
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	8	0.57
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	8	0.57
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	8	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	5	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	5	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	5	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	6	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	6	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	7	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	7	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	7	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	9	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	9	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	9	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	14	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	14	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	14	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	16	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	16	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	16	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	18	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	18	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	18	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	19	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	19	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	19	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	20	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	20	0.57
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	20	0.57
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	7	0.57
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	7	0.57
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	7	0.57
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	7	0.57
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	20	0.57
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	20	0.57
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	20	0.57
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	20	0.57
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	20	0.57
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	20	0.57
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	20	0.57
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	20	0.57
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	20	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	4	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	4	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	4	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	4	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	4	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	4	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	4	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	4	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	9	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	9	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	9	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	9	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	9	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	9	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	9	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	9	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	9	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	19	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	19	0.57
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	19	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	19	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	19	0.57
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	19	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	19	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	19	0.57
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	19	0.57
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	19	0.57
(2,1347)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	14	0.57
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	12	0.57
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	7	0.57
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	18	0.57
(2,1309)	1:111:A:ALA:HB1	1:75:A:LEU:HG	6	0.57
(2,1309)	1:111:A:ALA:HB2	1:75:A:LEU:HG	6	0.57
(2,1309)	1:111:A:ALA:HB3	1:75:A:LEU:HG	6	0.57
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	20	0.57
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	20	0.57
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	20	0.57
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	13	0.57
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	13	0.57
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	13	0.57
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	13	0.57
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	5	0.57
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	12	0.57
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	14	0.57
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	11	0.57
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	18	0.57
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	9	0.57
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	9	0.57
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	1	0.57
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	7	0.57
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	18	0.57
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	2	0.57
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	10	0.57
(2,1097)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	15	0.57
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	11	0.57
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	14	0.57
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	9	0.57
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	9	0.57
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	9	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	1	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	1	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	1	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	2	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	2	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	2	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	3	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	3	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	3	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	4	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	4	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	4	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	5	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	5	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	5	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	6	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	6	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	6	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	7	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	7	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	7	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	8	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	8	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	8	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	9	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	9	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	9	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	10	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	10	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	11	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	11	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	11	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	12	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	12	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	12	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	13	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	13	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	13	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	14	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	14	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	14	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	15	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	15	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	15	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	16	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	16	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	16	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	17	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	17	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	17	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	18	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	18	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	18	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	19	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	19	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	19	0.57
(2,1064)	1:100:A:VAL:HG11	1:100:A:VAL:HB	20	0.57
(2,1064)	1:100:A:VAL:HG12	1:100:A:VAL:HB	20	0.57
(2,1064)	1:100:A:VAL:HG13	1:100:A:VAL:HB	20	0.57
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	3	0.57
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	3	0.57
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	3	0.57
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	5	0.57
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	10	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	1	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	2	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	11	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	17	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	18	0.57
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	19	0.57
(2,954)	1:121:A:GLU:H	1:121:A:GLU:HA	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,954)	1:121:A:GLU:H	1:121:A:GLU:HA	16	0.57
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	7	0.57
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	10	0.57
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	17	0.57
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	17	0.57
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	17	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	2	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	2	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	2	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	2	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	2	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	2	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	2	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	2	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	2	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	11	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	11	0.57
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	11	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	11	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	11	0.57
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	11	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	11	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	11	0.57
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	11	0.57
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	6	0.57
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	5	0.57
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	12	0.57
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	12	0.57
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	12	0.57
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	17	0.57
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	17	0.57
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	17	0.57
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	13	0.57
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	13	0.57
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	13	0.57
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	17	0.57
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	17	0.57
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	17	0.57
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	13	0.57
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	10	0.57
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	13	0.57
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	13	0.57
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	13	0.57
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	13	0.57
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	13	0.57
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	13	0.57
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	13	0.57
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	13	0.57
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	19	0.57
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	6	0.57
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	6	0.57
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	6	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	1	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	3	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	6	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	12	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	14	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	18	0.57
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	19	0.57
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD11	1	0.57
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD12	1	0.57
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD13	1	0.57
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	7	0.57
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	7	0.57
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	7	0.57
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	7	0.57
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	7	0.57
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	7	0.57
(2,624)	1:70:A:VAL:HG11	1:68:A:PRO:HA	2	0.57
(2,624)	1:70:A:VAL:HG12	1:68:A:PRO:HA	2	0.57
(2,624)	1:70:A:VAL:HG13	1:68:A:PRO:HA	2	0.57
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	6	0.57
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	16	0.57
(2,578)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	11	0.57
(2,529)	1:65:A:SER:HB3	1:65:A:SER:HA	3	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	11	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	11	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	11	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	15	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	15	0.57
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	15	0.57
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	17	0.57
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	6	0.57
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	19	0.57
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	6	0.57
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	11	0.57
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	17	0.57
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	20	0.57
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	2	0.57
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	2	0.57
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	2	0.57
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	16	0.57
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	16	0.57
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	16	0.57
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	16	0.57
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	16	0.57
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	16	0.57
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	16	0.57
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	16	0.57
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	16	0.57
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	13	0.57
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	19	0.57
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	16	0.57
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	10	0.57
(2,293)	1:42:A:ALA:HB1	1:42:A:ALA:H	20	0.57
(2,293)	1:42:A:ALA:HB2	1:42:A:ALA:H	20	0.57
(2,293)	1:42:A:ALA:HB3	1:42:A:ALA:H	20	0.57
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	4	0.57
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	15	0.57
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	20	0.57
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	4	0.57
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	4	0.57
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	4	0.57
(2,245)	1:39:A:ARG:HA	1:39:A:ARG:HG2	18	0.57
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	3	0.57
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	9	0.57
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	13	0.57
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	20	0.57
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	7	0.57
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	7	0.57
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	7	0.57
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	20	0.57
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	20	0.57
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	3	0.57
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	4	0.57
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	14	0.57
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	15	0.57
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	17	0.57
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	19	0.57
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	11	0.57
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	11	0.57
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	5	0.57
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	14	0.57
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	3	0.57
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	5	0.57
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	7	0.57
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	14	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	2	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	5	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	6	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	7	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	11	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	14	0.57
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	15	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	1	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	1	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	1	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	4	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	4	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	4	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	18	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	18	0.57
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	18	0.57
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	9	0.57
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	9	0.57
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	9	0.57
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	9	0.57
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	9	0.57
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	9	0.57
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	9	0.57
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	9	0.57
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	9	0.57
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	18	0.57
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	18	0.57
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	8	0.57
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	8	0.57
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	8	0.57
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	8	0.57
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	8	0.57
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	8	0.57
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	8	0.57
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	8	0.57
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	8	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	1	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	1	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	1	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	3	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	3	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	3	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	4	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	4	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	4	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	5	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	5	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	5	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	6	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	6	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	6	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	7	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	7	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	7	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	8	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	8	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	8	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	9	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	9	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	9	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	10	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	10	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	10	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	12	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	12	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	12	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	13	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	13	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	18	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	18	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	18	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	19	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	19	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	19	0.57
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	20	0.57
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	20	0.57
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	20	0.57
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	19	0.57
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	19	0.57
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	19	0.57
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	0.57
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	0.57
(2,43)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	0.57
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	2	0.57
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	19	0.57
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	19	0.57
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	19	0.57
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	1	0.57
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD11	7	0.57
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD12	7	0.57
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD13	7	0.57
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	20	0.57
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	19	0.57
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	19	0.57
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	19	0.57
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	19	0.57
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	19	0.57
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	19	0.57
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	19	0.57
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	19	0.57
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	19	0.57
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	3	0.57
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	6	0.57
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	3	0.57
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	15	0.57
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	15	0.57
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	15	0.57
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	13	0.57
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	16	0.57
(1,386)	1:70:A:VAL:HG21	1:68:A:PRO:HA	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:70:A:VAL:HG22	1:68:A:PRO:HA	13	0.57
(1,386)	1:70:A:VAL:HG23	1:68:A:PRO:HA	13	0.57
(1,354)	1:67:A:GLY:H	1:67:A:GLY:HA3	2	0.57
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	17	0.57
(1,168)	1:112:A:LYS:HB2	1:41:A:MET:HG3	13	0.57
(1,165)	1:44:A:LYS:HD2	1:41:A:MET:HA	14	0.57
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	10	0.57
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	10	0.57
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	10	0.57
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	9	0.56
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	9	0.56
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	9	0.56
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	16	0.56
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	3	0.56
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	19	0.56
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	4	0.56
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	17	0.56
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	20	0.56
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	2	0.56
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	2	0.56
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	2	0.56
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	12	0.56
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	18	0.56
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	8	0.56
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	10	0.56
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	13	0.56
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	13	0.56
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	13	0.56
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	9	0.56
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	8	0.56
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	8	0.56
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	8	0.56
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	11	0.56
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	18	0.56
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	18	0.56
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	18	0.56
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	9	0.56
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	4	0.56
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	16	0.56
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	16	0.56
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	16	0.56
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	18	0.56
(2,2182)	1:32:A:LYS:HE2	1:31:A:ASP:H	8	0.56
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	4	0.56
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	4	0.56
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	18	0.56
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	18	0.56
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	10	0.56
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	1	0.56
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	7	0.56
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	12	0.56
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	20	0.56
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	12	0.56
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	2	0.56
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	20	0.56
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	12	0.56
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	16	0.56
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	19	0.56
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	4	0.56
(2,2011)	1:113:A:ARG:H	1:113:A:ARG:HD3	2	0.56
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	14	0.56
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	9	0.56
(2,1927)	1:44:A:LYS:HB2	1:44:A:LYS:H	19	0.56
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	20	0.56
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	14	0.56
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	11	0.56
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	10	0.56
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	15	0.56
(2,1754)	1:35:A:ILE:HD11	1:35:A:ILE:H	11	0.56
(2,1754)	1:35:A:ILE:HD12	1:35:A:ILE:H	11	0.56
(2,1754)	1:35:A:ILE:HD13	1:35:A:ILE:H	11	0.56
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	7	0.56
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	7	0.56
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	7	0.56
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	18	0.56
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	11	0.56
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	2	0.56
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	5	0.56
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	9	0.56
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	6	0.56
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	17	0.56
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	11	0.56
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	6	0.56
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	6	0.56
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	6	0.56
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	13	0.56
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	2	0.56
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	18	0.56
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	18	0.56
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	18	0.56
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	18	0.56
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	18	0.56
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	18	0.56
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	18	0.56
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	18	0.56
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	18	0.56
(2,1499)	1:52:A:LEU:HB3	1:52:A:LEU:HA	18	0.56
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	3	0.56
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	3	0.56
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	3	0.56
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	13	0.56
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	13	0.56
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	13	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	1	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	1	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	1	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	2	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	2	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	2	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	3	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	3	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	3	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	4	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	4	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	4	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	8	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	8	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	8	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	10	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	10	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	10	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	11	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	11	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	12	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	12	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	12	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	13	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	13	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	13	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	15	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	15	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	15	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG21	17	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG22	17	0.56
(2,1472)	1:62:A:ILE:HB	1:62:A:ILE:HG23	17	0.56
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	13	0.56
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	4	0.56
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	4	0.56
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	4	0.56
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	15	0.56
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	15	0.56
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	15	0.56
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	6	0.56
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	6	0.56
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	6	0.56
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	19	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	3	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	4	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	7	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	8	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	10	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	12	0.56
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	16	0.56
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	7	0.56
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	20	0.56
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	4	0.56
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	9	0.56
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	17	0.56
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	6	0.56
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	6	0.56
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	6	0.56
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	8	0.56
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	20	0.56
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	13	0.56
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	5	0.56
(2,1154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	4	0.56
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	13	0.56
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	20	0.56
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	1	0.56
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	7	0.56
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	8	0.56
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	20	0.56
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	20	0.56
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	20	0.56
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	10	0.56
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	16	0.56
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	17	0.56
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	20	0.56
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	7	0.56
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	9	0.56
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	13	0.56
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	1	0.56
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	1	0.56
(2,930)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	1	0.56
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	1	0.56
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	1	0.56
(2,930)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	1	0.56
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	1	0.56
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	1	0.56
(2,930)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	1	0.56
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	9	0.56
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	9	0.56
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	9	0.56
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	17	0.56
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	15	0.56
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	19	0.56
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	6	0.56
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	3	0.56
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	4	0.56
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	8	0.56
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	17	0.56
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	19	0.56
(2,819)	1:80:A:LYS:HA	1:80:A:LYS:HG2	15	0.56
(2,784)	1:76:A:LEU:HD21	1:76:A:LEU:H	2	0.56
(2,784)	1:76:A:LEU:HD22	1:76:A:LEU:H	2	0.56
(2,784)	1:76:A:LEU:HD23	1:76:A:LEU:H	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,777)	1:76:A:LEU:HB2	1:76:A:LEU:H	14	0.56
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	4	0.56
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	4	0.56
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	4	0.56
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	9	0.56
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	9	0.56
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	9	0.56
(2,734)	1:75:A:LEU:H	1:75:A:LEU:HA	16	0.56
(2,721)	1:74:A:VAL:HG11	1:75:A:LEU:H	10	0.56
(2,721)	1:74:A:VAL:HG12	1:75:A:LEU:H	10	0.56
(2,721)	1:74:A:VAL:HG13	1:75:A:LEU:H	10	0.56
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	20	0.56
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	20	0.56
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	20	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	8	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	8	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	8	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	8	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	8	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	8	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	18	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	18	0.56
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	18	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	18	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	18	0.56
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	18	0.56
(2,701)	1:73:A:LEU:HD11	1:73:A:LEU:HA	14	0.56
(2,701)	1:73:A:LEU:HD12	1:73:A:LEU:HA	14	0.56
(2,701)	1:73:A:LEU:HD13	1:73:A:LEU:HA	14	0.56
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	14	0.56
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	14	0.56
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	14	0.56
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	5	0.56
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	5	0.56
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	5	0.56
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	19	0.56
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	19	0.56
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	19	0.56
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	3	0.56
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	3	0.56
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	3	0.56
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	14	0.56
(2,573)	1:68:A:PRO:HD2	1:64:A:LYS:HA	2	0.56
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	16	0.56
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	20	0.56
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	7	0.56
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	7	0.56
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	7	0.56
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	3	0.56
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	3	0.56
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	3	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	1	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	2	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	3	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	4	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	5	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	6	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	11	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	12	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	14	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	15	0.56
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	17	0.56
(2,480)	1:63:A:LEU:H	1:62:A:ILE:HB	7	0.56
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	12	0.56
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	13	0.56
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	13	0.56
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	13	0.56
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	17	0.56
(2,416)	1:55:A:ASP:HB3	1:55:A:ASP:HA	17	0.56
(2,409)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	2	0.56
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	17	0.56
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	17	0.56
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	17	0.56
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	16	0.56
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	16	0.56
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	19	0.56
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	19	0.56
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	19	0.56
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	19	0.56
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	19	0.56
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	19	0.56
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	19	0.56
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	19	0.56
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	13	0.56
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	5	0.56
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	10	0.56
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	12	0.56
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	13	0.56
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	11	0.56
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	11	0.56
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	11	0.56
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	14	0.56
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	14	0.56
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	14	0.56
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	16	0.56
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	16	0.56
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	16	0.56
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	1	0.56
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	4	0.56
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	19	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	1	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	1	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	1	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	1	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	1	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	1	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	1	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	1	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	1	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	7	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	7	0.56
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	7	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	7	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	7	0.56
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	7	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	7	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	7	0.56
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	7	0.56
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	6	0.56
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	1	0.56
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	18	0.56
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	17	0.56
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	12	0.56
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	19	0.56
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	2	0.56
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	10	0.56
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	20	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	1	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	2	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	4	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	6	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	8	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	9	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	10	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	11	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	12	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	13	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	14	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	15	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	16	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	17	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	18	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	19	0.56
(2,138)	1:30:A:ASN:HB2	1:30:A:ASN:HB3	20	0.56
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	2	0.56
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	6	0.56
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	4	0.56
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	15	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	1	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	3	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	4	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	8	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	10	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	17	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	18	0.56
(2,124)	1:28:A:TRP:HA	1:28:A:TRP:HB3	20	0.56
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	19	0.56
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	19	0.56
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	19	0.56
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	19	0.56
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	19	0.56
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	19	0.56
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	19	0.56
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	19	0.56
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	9	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	9	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	9	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	16	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	16	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	16	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	20	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	20	0.56
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	20	0.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	5	0.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	5	0.56
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	5	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	2	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	2	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	2	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	11	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	11	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	11	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	14	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	14	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	14	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	15	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	15	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	15	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	16	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	16	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	16	0.56
(2,90)	1:26:A:LEU:HD11	1:26:A:LEU:HG	17	0.56
(2,90)	1:26:A:LEU:HD12	1:26:A:LEU:HG	17	0.56
(2,90)	1:26:A:LEU:HD13	1:26:A:LEU:HG	17	0.56
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	4	0.56
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	4	0.56
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	4	0.56
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	4	0.56
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	4	0.56
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	4	0.56
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	4	0.56
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	4	0.56
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	4	0.56
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	14	0.56
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	14	0.56
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	5	0.56
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	5	0.56
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	5	0.56
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	2	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	16	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	16	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	16	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	17	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	17	0.56
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	17	0.56
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	9	0.56
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	9	0.56
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	9	0.56
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	18	0.56
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	18	0.56
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	18	0.56
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	18	0.56
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	18	0.56
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	18	0.56
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	18	0.56
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	18	0.56
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	18	0.56
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	9	0.56
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	9	0.56
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	9	0.56
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	9	0.56
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	9	0.56
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	9	0.56
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	9	0.56
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	9	0.56
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	9	0.56
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	7	0.56
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	12	0.56
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	11	0.56
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	20	0.56
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	17	0.56
(1,1044)	1:53:A:GLU:H	1:53:A:GLU:HG2	13	0.56
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	19	0.56
(1,880)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	11	0.56
(1,880)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	11	0.56
(1,880)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	11	0.56
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	19	0.56
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	8	0.56
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	9	0.56
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	7	0.56
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	10	0.56
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	10	0.56
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	10	0.56
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	14	0.56
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	14	0.56
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	14	0.56
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	3	0.56
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	11	0.56
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	13	0.56
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	17	0.55
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	17	0.55
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	17	0.55
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	6	0.55
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	6	0.55
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	6	0.55
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	20	0.55
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	20	0.55
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	20	0.55
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	20	0.55
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	20	0.55
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	20	0.55
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	15	0.55
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	15	0.55
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	15	0.55
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	8	0.55
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	3	0.55
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	20	0.55
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	10	0.55
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	10	0.55
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	10	0.55
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	12	0.55
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	12	0.55
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	12	0.55
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	5	0.55
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	17	0.55
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	17	0.55
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	17	0.55
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	1	0.55
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	1	0.55
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	8	0.55
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	8	0.55
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	8	0.55
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	20	0.55
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	20	0.55
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	20	0.55
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	8	0.55
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	13	0.55
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	18	0.55
(2,2213)	1:36:A:GLU:HB3	1:35:A:ILE:H	11	0.55
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	5	0.55
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	3	0.55
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	13	0.55
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	16	0.55
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	16	0.55
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	16	0.55
(2,2131)	1:49:A:LEU:HB2	1:25:A:VAL:H	15	0.55
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	15	0.55
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	2	0.55
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	17	0.55
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	19	0.55
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	12	0.55
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	20	0.55
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	13	0.55
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	4	0.55
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	5	0.55
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	10	0.55
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	12	0.55
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	19	0.55
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	18	0.55
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	14	0.55
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	17	0.55
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	19	0.55
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	14	0.55
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	8	0.55
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	5	0.55
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	5	0.55
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	5	0.55
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	19	0.55
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	3	0.55
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	20	0.55
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	8	0.55
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	3	0.55
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	10	0.55
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	4	0.55
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	4	0.55
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	4	0.55
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	14	0.55
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	12	0.55
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	15	0.55
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	19	0.55
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	11	0.55
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	16	0.55
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	20	0.55
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	1	0.55
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	2	0.55
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	2	0.55
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	2	0.55
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	20	0.55
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	16	0.55
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	10	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	1	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	1	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	1	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	2	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	2	0.55
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	2	0.55
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	4	0.55
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	4	0.55
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	4	0.55
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	11	0.55
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	11	0.55
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	11	0.55
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	14	0.55
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	3	0.55
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	3	0.55
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	3	0.55
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	10	0.55
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	10	0.55
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	10	0.55
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	2	0.55
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	13	0.55
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	18	0.55
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	20	0.55
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	14	0.55
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	6	0.55
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	18	0.55
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	6	0.55
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	14	0.55
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	13	0.55
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	17	0.55
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	18	0.55
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	13	0.55
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	20	0.55
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	10	0.55
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	13	0.55
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	13	0.55
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	13	0.55
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	17	0.55
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	17	0.55
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	17	0.55
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	17	0.55
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	17	0.55
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	17	0.55
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	17	0.55
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	17	0.55
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	17	0.55
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	1	0.55
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	13	0.55
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	7	0.55
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	19	0.55
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	17	0.55
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	17	0.55
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	17	0.55
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	5	0.55
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	7	0.55
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	14	0.55
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	1	0.55
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	1	0.55
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	1	0.55
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	15	0.55
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	10	0.55
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	11	0.55
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	13	0.55
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	19	0.55
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	12	0.55
(2,962)	1:92:A:LYS:H	1:92:A:LYS:HB2	3	0.55
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	4	0.55
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	8	0.55
(2,959)	1:92:A:LYS:H	1:92:A:LYS:HB3	16	0.55
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	19	0.55
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	19	0.55
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	19	0.55
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	15	0.55
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	15	0.55
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	15	0.55
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	20	0.55
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	2	0.55
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	9	0.55
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	6	0.55
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	9	0.55
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	15	0.55
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	6	0.55
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	6	0.55
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	2	0.55
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	2	0.55
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	2	0.55
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	14	0.55
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	14	0.55
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	14	0.55
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	14	0.55
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	14	0.55
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	14	0.55
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	14	0.55
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	14	0.55
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	14	0.55
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG21	14	0.55
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG22	14	0.55
(2,700)	1:73:A:LEU:HD21	1:115:A:ILE:HG23	14	0.55
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG21	14	0.55
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG22	14	0.55
(2,700)	1:73:A:LEU:HD22	1:115:A:ILE:HG23	14	0.55
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG21	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG22	14	0.55
(2,700)	1:73:A:LEU:HD23	1:115:A:ILE:HG23	14	0.55
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	6	0.55
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	5	0.55
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	5	0.55
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	5	0.55
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	4	0.55
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	4	0.55
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	4	0.55
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	18	0.55
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	13	0.55
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	8	0.55
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	9	0.55
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	17	0.55
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	17	0.55
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	17	0.55
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	8	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	7	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	8	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	9	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	10	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	13	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	16	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	18	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	19	0.55
(2,481)	1:62:A:ILE:HA	1:62:A:ILE:HB	20	0.55
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	14	0.55
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	6	0.55
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	6	0.55
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	6	0.55
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	7	0.55
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	9	0.55
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	19	0.55
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	5	0.55
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	8	0.55
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	3	0.55
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	3	0.55
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	3	0.55
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	16	0.55
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	16	0.55
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	16	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	4	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	7	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	8	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	9	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	15	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	16	0.55
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	18	0.55
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	4	0.55
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	16	0.55
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	10	0.55
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	10	0.55
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	10	0.55
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	7	0.55
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	7	0.55
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	7	0.55
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	7	0.55
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	7	0.55
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	7	0.55
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	7	0.55
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	7	0.55
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	7	0.55
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	1	0.55
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	10	0.55
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	16	0.55
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	4	0.55
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	16	0.55
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	18	0.55
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	18	0.55
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	18	0.55
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	18	0.55
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	18	0.55
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	18	0.55
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	18	0.55
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	18	0.55
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	18	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	1	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	1	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	1	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	2	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	2	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	2	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	3	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	3	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	4	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	4	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	4	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	5	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	5	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	5	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	6	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	6	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	6	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	7	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	7	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	7	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	8	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	8	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	8	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	9	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	9	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	9	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	10	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	10	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	10	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	12	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	12	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	12	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	13	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	13	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	13	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	15	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	15	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	15	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	17	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	17	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	17	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	18	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	18	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	18	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	19	0.55
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	19	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	19	0.55
(2,215)	1:35:A:ILE:HD11	1:35:A:ILE:HG13	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:35:A:ILE:HD12	1:35:A:ILE:HG13	20	0.55
(2,215)	1:35:A:ILE:HD13	1:35:A:ILE:HG13	20	0.55
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	2	0.55
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	6	0.55
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	12	0.55
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	15	0.55
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	17	0.55
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	4	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	8	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	8	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	8	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	9	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	9	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	9	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	19	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	19	0.55
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	19	0.55
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	3	0.55
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	9	0.55
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	17	0.55
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	14	0.55
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	18	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	1	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	3	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	6	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	7	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	8	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	9	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	11	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	12	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	17	0.55
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	18	0.55
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	15	0.55
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	15	0.55
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	15	0.55
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	8	0.55
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	8	0.55
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	8	0.55
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	11	0.55
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	11	0.55
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	11	0.55
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	5	0.55
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	5	0.55
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	10	0.55
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	10	0.55
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	10	0.55
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	18	0.55
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	18	0.55
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	18	0.55
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	11	0.55
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	18	0.55
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	20	0.55
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	19	0.55
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	12	0.55
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	16	0.55
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	4	0.55
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	4	0.55
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	4	0.55
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	13	0.55
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	10	0.55
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	12	0.55
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	13	0.55
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	3	0.55
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	3	0.55
(2,2825)	1:47:A:LEU:HD11	1:119:A:SER:H	9	0.54
(2,2825)	1:47:A:LEU:HD12	1:119:A:SER:H	9	0.54
(2,2825)	1:47:A:LEU:HD13	1:119:A:SER:H	9	0.54
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	11	0.54
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	11	0.54
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	11	0.54
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	19	0.54
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	7	0.54
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	7	0.54
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	7	0.54
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	17	0.54
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	15	0.54
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	7	0.54
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	8	0.54
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	11	0.54
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	5	0.54
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	2	0.54
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	14	0.54
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	10	0.54
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	10	0.54
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	10	0.54
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	16	0.54
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	10	0.54
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	10	0.54
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	10	0.54
(2,2538)	1:85:A:VAL:HB	1:83:A:ASP:H	12	0.54
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	20	0.54
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	16	0.54
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	16	0.54
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	16	0.54
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	19	0.54
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	19	0.54
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	19	0.54
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	2	0.54
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	2	0.54
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	2	0.54
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	2	0.54
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	20	0.54
(2,2381)	1:63:A:LEU:HB2	1:64:A:LYS:H	11	0.54
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	8	0.54
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	7	0.54
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	20	0.54
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	8	0.54
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	8	0.54
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	8	0.54
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	5	0.54
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	1	0.54
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	1	0.54
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	1	0.54
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	17	0.54
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	15	0.54
(2,2281)	1:42:A:ALA:H	1:112:A:LYS:HA	17	0.54
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	13	0.54
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	7	0.54
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	5	0.54
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	11	0.54
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	5	0.54
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	5	0.54
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	5	0.54
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	6	0.54
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	6	0.54
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	6	0.54
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	16	0.54
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	7	0.54
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	2	0.54
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	5	0.54
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	14	0.54
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	12	0.54
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	7	0.54
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	1	0.54
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	2	0.54
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	8	0.54
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	2	0.54
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	7	0.54
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	3	0.54
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	4	0.54
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	18	0.54
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	1	0.54
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	4	0.54
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	12	0.54
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	12	0.54
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	12	0.54
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	12	0.54
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	16	0.54
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	16	0.54
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	10	0.54
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	11	0.54
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	16	0.54
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	4	0.54
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	6	0.54
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	10	0.54
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	15	0.54
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	1	0.54
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	20	0.54
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	14	0.54
(2,1536)	1:53:A:GLU:HB2	1:54:A:THR:H	7	0.54
(2,1510)	1:50:A:LEU:HD21	1:59:A:ILE:HG13	2	0.54
(2,1510)	1:50:A:LEU:HD22	1:59:A:ILE:HG13	2	0.54
(2,1510)	1:50:A:LEU:HD23	1:59:A:ILE:HG13	2	0.54
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	6	0.54
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	6	0.54
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	19	0.54
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	19	0.54
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	19	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	1	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	3	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	4	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	5	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	6	0.54
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	17	0.54
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD11	12	0.54
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD12	12	0.54
(2,1494)	1:60:A:GLU:HA	1:63:A:LEU:HD13	12	0.54
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	8	0.54
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	8	0.54
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	8	0.54
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	8	0.54
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	8	0.54
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	8	0.54
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	8	0.54
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	8	0.54
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	8	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	3	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	3	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	3	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	13	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	13	0.54
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	13	0.54
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	5	0.54
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	6	0.54
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	9	0.54
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	14	0.54
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	14	0.54
(2,1348)	1:113:A:ARG:HD3	1:113:A:ARG:HG2	2	0.54
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	8	0.54
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	19	0.54
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	18	0.54
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	18	0.54
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	18	0.54
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	20	0.54
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	2	0.54
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	20	0.54
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	2	0.54
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	2	0.54
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	2	0.54
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	20	0.54
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	20	0.54
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	20	0.54
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	9	0.54
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	5	0.54
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	19	0.54
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	5	0.54
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	5	0.54
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	20	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	3	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	3	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	3	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	5	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	5	0.54
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	5	0.54
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	11	0.54
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	17	0.54
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	14	0.54
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	14	0.54
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	14	0.54
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	15	0.54
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	15	0.54
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	15	0.54
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	17	0.54
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	11	0.54
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	13	0.54
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	14	0.54
(2,983)	1:96:A:LYS:HB2	1:96:A:LYS:H	17	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	2	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	3	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	4	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	5	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	9	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	15	0.54
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	19	0.54
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	5	0.54
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	10	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	2	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	3	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	4	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	5	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	7	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	8	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	9	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	10	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	12	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	14	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	15	0.54
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	19	0.54
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	5	0.54
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	5	0.54
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	5	0.54
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	5	0.54
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	4	0.54
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	13	0.54
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	20	0.54
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	11	0.54
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	11	0.54
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	11	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	8	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	8	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	8	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	12	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	12	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	12	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	20	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	20	0.54
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	20	0.54
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	9	0.54
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	9	0.54
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	9	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	1	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	2	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	12	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	16	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	18	0.54
(2,821)	1:80:A:LYS:HA	1:81:A:ASP:H	20	0.54
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	6	0.54
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	11	0.54
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	11	0.54
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	15	0.54
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	15	0.54
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	15	0.54
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	13	0.54
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	19	0.54
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	19	0.54
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	19	0.54
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	17	0.54
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	17	0.54
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	17	0.54
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	6	0.54
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	6	0.54
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	6	0.54
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	20	0.54
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	20	0.54
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	20	0.54
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	9	0.54
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	9	0.54
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	9	0.54
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	7	0.54
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	1	0.54
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	3	0.54
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	4	0.54
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	6	0.54
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	15	0.54
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	8	0.54
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	8	0.54
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	8	0.54
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	10	0.54
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	10	0.54
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	10	0.54
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	13	0.54
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	13	0.54
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	13	0.54
(2,494)	1:66:A:LEU:H	1:63:A:LEU:HA	5	0.54
(2,456)	1:89:A:ILE:HG21	1:89:A:ILE:HA	1	0.54
(2,456)	1:89:A:ILE:HG22	1:89:A:ILE:HA	1	0.54
(2,456)	1:89:A:ILE:HG23	1:89:A:ILE:HA	1	0.54
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	4	0.54
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	19	0.54
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	5	0.54
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	5	0.54
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	5	0.54
(2,379)	1:120:A:GLU:HB2	1:120:A:GLU:HA	2	0.54
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	11	0.54
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	11	0.54
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	11	0.54
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	11	0.54
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	11	0.54
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	11	0.54
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	11	0.54
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	11	0.54
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	11	0.54
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	17	0.54
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	19	0.54
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	14	0.54
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	11	0.54
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	11	0.54
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	11	0.54
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	11	0.54
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	11	0.54
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	11	0.54
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	11	0.54
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	11	0.54
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	11	0.54
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB1	19	0.54
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB2	19	0.54
(2,294)	1:43:A:GLU:H	1:42:A:ALA:HB3	19	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	2	0.54
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	2	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	2	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	9	0.54
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	9	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	9	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	11	0.54
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	11	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	11	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	17	0.54
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	17	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	17	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	18	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	18	0.54
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	19	0.54
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	19	0.54
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	19	0.54
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	10	0.54
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	10	0.54
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	10	0.54
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	6	0.54
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	11	0.54
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	7	0.54
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	18	0.54
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	2	0.54
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	14	0.54
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	15	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	1	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	1	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	1	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD11	13	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD12	13	0.54
(2,188)	1:34:A:LEU:HB2	1:34:A:LEU:HD13	13	0.54
(2,185)	1:34:A:LEU:HB3	1:34:A:LEU:H	8	0.54
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	2	0.54
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	14	0.54
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	16	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	2	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	5	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	10	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	13	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	19	0.54
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	20	0.54
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	7	0.54
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD11	15	0.54
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD12	15	0.54
(2,114)	1:27:A:ILE:HG13	1:35:A:ILE:HD13	15	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	3	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	3	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	3	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	11	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	11	0.54
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	11	0.54
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	4	0.54
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	4	0.54
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	4	0.54
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	4	0.54
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	4	0.54
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD1	3	0.54
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD2	3	0.54
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD1	3	0.54
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD2	3	0.54
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD1	3	0.54
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD2	3	0.54
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	15	0.54
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	15	0.54
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	15	0.54
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	5	0.54
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	18	0.54
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	3	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	2	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	3	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	5	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	8	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	9	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	10	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	16	0.54
(2,9)	1:23:A:LEU:HA	1:23:A:LEU:HB3	19	0.54
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	6	0.54
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	13	0.54
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	13	0.54
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	13	0.54
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	1	0.54
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	9	0.54
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	2	0.54
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	14	0.54
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	14	0.54
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	19	0.54
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	19	0.54
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	19	0.54
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	20	0.54
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	14	0.54
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	12	0.54
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	17	0.54
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	2	0.54
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	2	0.54
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	3	0.54
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	3	0.54
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	3	0.54
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	20	0.54
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	11	0.54
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	5	0.54
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	19	0.54
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	7	0.54
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	7	0.54
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	7	0.54
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	18	0.53
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	18	0.53
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	18	0.53
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	8	0.53
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	12	0.53
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	12	0.53
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	12	0.53
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	2	0.53
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	2	0.53
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	2	0.53
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	8	0.53
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	8	0.53
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	8	0.53
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	9	0.53
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	9	0.53
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	9	0.53
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	8	0.53
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	8	0.53
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	8	0.53
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	12	0.53
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	8	0.53
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	12	0.53
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	3	0.53
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	15	0.53
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	16	0.53
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	11	0.53
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	11	0.53
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	11	0.53
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	14	0.53
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	14	0.53
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	9	0.53
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	9	0.53
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	9	0.53
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	16	0.53
(2,2461)	1:104:A:LYS:H	1:114:A:TRP:HE1	16	0.53
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	17	0.53
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	17	0.53
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	17	0.53
(2,2374)	1:59:A:ILE:HA	1:63:A:LEU:H	5	0.53
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	11	0.53
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	9	0.53
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	13	0.53
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	1	0.53
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	1	0.53
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	1	0.53
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	18	0.53
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	18	0.53
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	18	0.53
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	10	0.53
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	15	0.53
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	4	0.53
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	12	0.53
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	6	0.53
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	8	0.53
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	11	0.53
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	5	0.53
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	17	0.53
(2,2109)	1:60:A:GLU:HA	1:60:A:GLU:H	6	0.53
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	15	0.53
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	9	0.53
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	20	0.53
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	17	0.53
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	5	0.53
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	1	0.53
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	14	0.53
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	8	0.53
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	13	0.53
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	1	0.53
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	2	0.53
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	10	0.53
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	10	0.53
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	17	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	4	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	6	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	8	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	12	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	14	0.53
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	18	0.53
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	2	0.53
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	6	0.53
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	6	0.53
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	6	0.53
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	18	0.53
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	18	0.53
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	18	0.53
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	3	0.53
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	10	0.53
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	17	0.53
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	16	0.53
(2,1607)	1:65:A:SER:H	1:64:A:LYS:H	8	0.53
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	9	0.53
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	2	0.53
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	9	0.53
(2,1523)	1:98:A:LEU:HD21	1:63:A:LEU:HB2	20	0.53
(2,1523)	1:98:A:LEU:HD22	1:63:A:LEU:HB2	20	0.53
(2,1523)	1:98:A:LEU:HD23	1:63:A:LEU:HB2	20	0.53
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	12	0.53
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	12	0.53
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	12	0.53
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	12	0.53
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	12	0.53
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	12	0.53
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	12	0.53
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	12	0.53
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	12	0.53
(2,1500)	1:52:A:LEU:HB2	1:52:A:LEU:HA	19	0.53
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	5	0.53
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	5	0.53
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	5	0.53
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	14	0.53
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	14	0.53
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	14	0.53
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	14	0.53
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	14	0.53
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	15	0.53
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	4	0.53
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	3	0.53
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	6	0.53
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	19	0.53
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	9	0.53
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	18	0.53
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	10	0.53
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	11	0.53
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	17	0.53
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	6	0.53
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	11	0.53
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	3	0.53
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	3	0.53
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	3	0.53
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	11	0.53
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	18	0.53
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	18	0.53
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	18	0.53
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	18	0.53
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	11	0.53
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	2	0.53
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	3	0.53
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	18	0.53
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	9	0.53
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	19	0.53
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	19	0.53
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	19	0.53
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	9	0.53
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	9	0.53
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	9	0.53
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	18	0.53
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	18	0.53
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	18	0.53
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	20	0.53
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	20	0.53
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	20	0.53
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	8	0.53
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	16	0.53
(2,1092)	1:101:A:ARG:HD2	1:101:A:ARG:HA	2	0.53
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	8	0.53
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	13	0.53
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	17	0.53
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	18	0.53
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	3	0.53
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	12	0.53
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	15	0.53
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	16	0.53
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	2	0.53
(2,978)	1:96:A:LYS:HA	1:96:A:LYS:H	13	0.53
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	5	0.53
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	6	0.53
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	6	0.53
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	6	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	6	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	11	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	13	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	16	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	17	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	18	0.53
(2,922)	1:89:A:ILE:HA	1:89:A:ILE:HB	20	0.53
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	16	0.53
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	16	0.53
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	16	0.53
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	7	0.53
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	15	0.53
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	5	0.53
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	8	0.53
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	8	0.53
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	8	0.53
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	8	0.53
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	8	0.53
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	8	0.53
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	8	0.53
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	8	0.53
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	8	0.53
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	4	0.53
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	12	0.53
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	6	0.53
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	6	0.53
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	10	0.53
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	10	0.53
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	10	0.53
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	20	0.53
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	20	0.53
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	20	0.53
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	3	0.53
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	3	0.53
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	3	0.53
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	18	0.53
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	8	0.53
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	8	0.53
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	8	0.53
(2,640)	1:71:A:LYS:HD2	1:71:A:LYS:HB2	1	0.53
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	9	0.53
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	16	0.53
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	11	0.53
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	4	0.53
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	11	0.53
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	14	0.53
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	17	0.53
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	17	0.53
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	17	0.53
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	5	0.53
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	15	0.53
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	4	0.53
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	5	0.53
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	6	0.53
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	10	0.53
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	15	0.53
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	9	0.53
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	16	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	4	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	4	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	4	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	4	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	4	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	4	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	4	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	4	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	6	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	6	0.53
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	6	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	6	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	6	0.53
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	6	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	6	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	6	0.53
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	6	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	1	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	1	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	1	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	3	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	3	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	3	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	4	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	4	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	4	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	5	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	5	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	5	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	6	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	6	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	6	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	7	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	7	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	7	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	8	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	8	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	8	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	10	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	10	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	10	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	12	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	12	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	12	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	13	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	13	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	13	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	14	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	14	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	15	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	15	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	15	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	16	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	16	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	16	0.53
(2,291)	1:42:A:ALA:HB1	1:42:A:ALA:HA	20	0.53
(2,291)	1:42:A:ALA:HB2	1:42:A:ALA:HA	20	0.53
(2,291)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.53
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	18	0.53
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	18	0.53
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	18	0.53
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	18	0.53
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	18	0.53
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	18	0.53
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	18	0.53
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	18	0.53
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	18	0.53
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	5	0.53
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	9	0.53
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	14	0.53
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	20	0.53
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	12	0.53
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	17	0.53
(2,245)	1:39:A:ARG:HA	1:39:A:ARG:HG2	8	0.53
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	19	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	5	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	5	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	5	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	18	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	18	0.53
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	18	0.53
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	3	0.53
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	3	0.53
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	3	0.53
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	7	0.53
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	6	0.53
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	8	0.53
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	10	0.53
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	13	0.53
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	10	0.53
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	14	0.53
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	20	0.53
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	8	0.53
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	12	0.53
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	14	0.53
(2,126)	1:28:A:TRP:HA	1:28:A:TRP:H	16	0.53
(2,123)	1:28:A:TRP:HA	1:28:A:TRP:HB2	12	0.53
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	1	0.53
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	1	0.53
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	1	0.53
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	9	0.53
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	9	0.53
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	9	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	9	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	9	0.53
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	9	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	9	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	9	0.53
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	9	0.53
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	2	0.53
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	2	0.53
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	2	0.53
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	2	0.53
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	2	0.53
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	2	0.53
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	2	0.53
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	2	0.53
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	2	0.53
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	13	0.53
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	13	0.53
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	13	0.53
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	5	0.53
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	5	0.53
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	5	0.53
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	5	0.53
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	5	0.53
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	5	0.53
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	5	0.53
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	5	0.53
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	5	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	3	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	3	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	8	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	8	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	8	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	12	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	12	0.53
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	12	0.53
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	19	0.53
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	19	0.53
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	19	0.53
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	19	0.53
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	19	0.53
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	19	0.53
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	19	0.53
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	19	0.53
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	19	0.53
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD1	2	0.53
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD2	2	0.53
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD1	2	0.53
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD2	2	0.53
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD1	2	0.53
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD2	2	0.53
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	16	0.53
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	16	0.53
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	16	0.53
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	4	0.53
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	5	0.53
(1,1508)	1:63:A:LEU:H	1:48:A:TYR:HB2	10	0.53
(1,1490)	1:115:A:ILE:H	1:41:A:MET:HG2	14	0.53
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	3	0.53
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	9	0.53
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	13	0.53
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	2	0.53
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	14	0.53
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	18	0.53
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	8	0.53
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	6	0.53
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	6	0.53
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	6	0.53
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD21	4	0.53
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD22	4	0.53
(1,438)	1:101:A:ARG:HG2	1:73:A:LEU:HD23	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	2	0.53
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	15	0.53
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	8	0.53
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	15	0.53
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	18	0.53
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	11	0.53
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	11	0.53
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	11	0.53
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	3	0.53
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	3	0.53
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	3	0.53
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	10	0.53
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	10	0.53
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	10	0.53
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	10	0.53
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	10	0.53
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	10	0.53
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	11	0.52
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	12	0.52
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	12	0.52
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	12	0.52
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	12	0.52
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	12	0.52
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	12	0.52
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	16	0.52
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	16	0.52
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	16	0.52
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	11	0.52
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	11	0.52
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	11	0.52
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	5	0.52
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	2	0.52
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	2	0.52
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	2	0.52
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	10	0.52
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	10	0.52
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	10	0.52
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	15	0.52
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	1	0.52
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	1	0.52
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	1	0.52
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	7	0.52
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	7	0.52
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	9	0.52
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	10	0.52
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	2	0.52
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	2	0.52
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	2	0.52
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	7	0.52
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	7	0.52
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	7	0.52
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	1	0.52
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	1	0.52
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	1	0.52
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	7	0.52
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	4	0.52
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	9	0.52
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	8	0.52
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	8	0.52
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	8	0.52
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	18	0.52
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	14	0.52
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	14	0.52
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	14	0.52
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	17	0.52
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	17	0.52
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	17	0.52
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	10	0.52
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	12	0.52
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	17	0.52
(2,2206)	1:36:A:GLU:HA	1:34:A:LEU:H	14	0.52
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	7	0.52
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	18	0.52
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	11	0.52
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	4	0.52
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	4	0.52
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	4	0.52
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	9	0.52
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	10	0.52
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	14	0.52
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	3	0.52
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	14	0.52
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	1	0.52
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	4	0.52
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	15	0.52
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	20	0.52
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	16	0.52
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	16	0.52
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	7	0.52
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	7	0.52
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	7	0.52
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	13	0.52
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	1	0.52
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	7	0.52
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	13	0.52
(2,1783)	1:59:A:ILE:H	1:59:A:ILE:HB	12	0.52
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	17	0.52
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	19	0.52
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	17	0.52
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	1	0.52
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	1	0.52
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	1	0.52
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	3	0.52
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	3	0.52
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	3	0.52
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	14	0.52
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	14	0.52
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	14	0.52
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	8	0.52
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	19	0.52
(2,1703)	1:66:A:LEU:H	1:65:A:SER:H	5	0.52
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	16	0.52
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	10	0.52
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	5	0.52
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	12	0.52
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	15	0.52
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	16	0.52
(2,1506)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	10	0.52
(2,1506)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	10	0.52
(2,1506)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	10	0.52
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	8	0.52
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	8	0.52
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	8	0.52
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	6	0.52
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	12	0.52
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	14	0.52
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	20	0.52
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	19	0.52
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	19	0.52
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	19	0.52
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	8	0.52
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	3	0.52
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	3	0.52
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	3	0.52
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	10	0.52
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	2	0.52
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	2	0.52
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	2	0.52
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	2	0.52
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	2	0.52
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	2	0.52
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	2	0.52
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	2	0.52
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	2	0.52
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	9	0.52
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	9	0.52
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	9	0.52
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	15	0.52
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	17	0.52
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	17	0.52
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	17	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	17	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	17	0.52
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	17	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	17	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	17	0.52
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	17	0.52
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	7	0.52
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	1	0.52
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	8	0.52
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	1	0.52
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	10	0.52
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	5	0.52
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	5	0.52
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	2	0.52
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	7	0.52
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	1	0.52
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	1	0.52
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	1	0.52
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	2	0.52
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	2	0.52
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	2	0.52
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	2	0.52
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	2	0.52
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	2	0.52
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	2	0.52
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	2	0.52
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	2	0.52
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	4	0.52
(2,1182)	1:104:A:LYS:HE2	1:104:A:LYS:HD2	6	0.52
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	7	0.52
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	18	0.52
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	18	0.52
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	18	0.52
(2,1135)	1:103:A:ARG:HA	1:103:A:ARG:HB3	3	0.52
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	3	0.52
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	4	0.52
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	4	0.52
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	4	0.52
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	8	0.52
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	8	0.52
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	8	0.52
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	11	0.52
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	11	0.52
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	11	0.52
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	4	0.52
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	4	0.52
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	4	0.52
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	2	0.52
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	11	0.52
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	4	0.52
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	1	0.52
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	8	0.52
(2,1062)	1:100:A:VAL:HA	1:100:A:VAL:HB	15	0.52
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	12	0.52
(2,1041)	1:99:A:PRO:HD2	1:99:A:PRO:HG3	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	9	0.52
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	20	0.52
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	12	0.52
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	7	0.52
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	7	0.52
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	7	0.52
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	3	0.52
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	3	0.52
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	3	0.52
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	0.52
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	0.52
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	0.52
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	14	0.52
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	10	0.52
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	16	0.52
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	18	0.52
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	18	0.52
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	18	0.52
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	18	0.52
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	18	0.52
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	18	0.52
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	18	0.52
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	18	0.52
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	18	0.52
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	12	0.52
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	10	0.52
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	10	0.52
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	10	0.52
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	1	0.52
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	20	0.52
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	20	0.52
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	20	0.52
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	1	0.52
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	1	0.52
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	1	0.52
(2,742)	1:105:A:VAL:HG21	1:75:A:LEU:HB3	2	0.52
(2,742)	1:105:A:VAL:HG22	1:75:A:LEU:HB3	2	0.52
(2,742)	1:105:A:VAL:HG23	1:75:A:LEU:HB3	2	0.52
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	17	0.52
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	17	0.52
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	17	0.52
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	20	0.52
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	20	0.52
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	10	0.52
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	10	0.52
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	10	0.52
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	12	0.52
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	13	0.52
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	12	0.52
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	12	0.52
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	12	0.52
(2,453)	1:113:A:ARG:HB2	1:113:A:ARG:HD2	14	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	1	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	3	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	12	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	14	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	17	0.52
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	18	0.52
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	6	0.52
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	18	0.52
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	18	0.52
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	18	0.52
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	3	0.52
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	5	0.52
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	5	0.52
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	5	0.52
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	5	0.52
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	5	0.52
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	5	0.52
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	5	0.52
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	5	0.52
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	5	0.52
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	10	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	1	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	2	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	3	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	4	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	5	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	6	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	7	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	8	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	9	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	11	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	12	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	13	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	14	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	15	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	16	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	17	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	18	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	19	0.52
(2,319)	1:46:A:ASN:HB2	1:46:A:ASN:HB3	20	0.52
(2,318)	1:46:A:ASN:HA	1:46:A:ASN:HB2	1	0.52
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	17	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	2	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	2	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	2	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	2	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	2	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	2	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	2	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	2	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	2	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	7	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	7	0.52
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	7	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	7	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	7	0.52
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	7	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	7	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	7	0.52
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	7	0.52
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB1	7	0.52
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB2	7	0.52
(2,295)	1:94:A:ARG:H	1:93:A:ALA:HB3	7	0.52
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	17	0.52
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	17	0.52
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	17	0.52
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	1	0.52
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	1	0.52
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	1	0.52
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	1	0.52
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	1	0.52
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	1	0.52
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	1	0.52
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	1	0.52
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	11	0.52
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	8	0.52
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	16	0.52
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	19	0.52
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	5	0.52
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	15	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	1	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	1	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	1	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	1	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	1	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	1	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	1	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	1	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	1	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	9	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	9	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	9	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	9	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	9	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	9	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	9	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	9	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	9	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	10	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	10	0.52
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	10	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	10	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	10	0.52
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	10	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	10	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	10	0.52
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	10	0.52
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	14	0.52
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	14	0.52
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	14	0.52
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	7	0.52
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	11	0.52
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	16	0.52
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	20	0.52
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	5	0.52
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	11	0.52
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	19	0.52
(2,169)	1:34:A:LEU:HA	1:108:A:PRO:HB2	3	0.52
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	12	0.52
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	20	0.52
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	17	0.52
(2,141)	1:31:A:ASP:HA	1:32:A:LYS:H	18	0.52
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	20	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	7	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	7	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	7	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	8	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	8	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	8	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	10	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	10	0.52
(2,112)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	10	0.52
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	19	0.52
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	19	0.52
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	19	0.52
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	19	0.52
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	19	0.52
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	19	0.52
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	19	0.52
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	19	0.52
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	19	0.52
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	7	0.52
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	7	0.52
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	7	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	1	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	1	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	1	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	9	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	9	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	9	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	15	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	15	0.52
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	15	0.52
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	14	0.52
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	14	0.52
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	14	0.52
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	14	0.52
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	14	0.52
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	14	0.52
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	14	0.52
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	14	0.52
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	11	0.52
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	6	0.52
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	13	0.52
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	15	0.52
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	17	0.52
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	19	0.52
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	13	0.52
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	13	0.52
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	16	0.52
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	18	0.52
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	5	0.52
(1,985)	1:113:A:ARG:HG3	1:113:A:ARG:HD3	2	0.52
(1,985)	1:113:A:ARG:HG3	1:113:A:ARG:HD3	14	0.52
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	13	0.52
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	14	0.52
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	15	0.52
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	4	0.52
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	2	0.52
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	12	0.52
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	12	0.52
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	12	0.52
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	1	0.52
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	4	0.52
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	20	0.52
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	20	0.52
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	20	0.52
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	1	0.52
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	1	0.52
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	1	0.52
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	18	0.52
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	18	0.52
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	18	0.52
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	11	0.51
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	11	0.51
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	7	0.51
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	13	0.51
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	13	0.51
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	13	0.51
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	17	0.51
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	17	0.51
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	17	0.51
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	1	0.51
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	1	0.51
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	1	0.51
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	3	0.51
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	3	0.51
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	3	0.51
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	4	0.51
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	4	0.51
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	4	0.51
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	18	0.51
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	20	0.51
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	20	0.51
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	20	0.51
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	15	0.51
(2,2646)	1:74:A:VAL:H	1:101:A:ARG:H	16	0.51
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	8	0.51
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	8	0.51
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	8	0.51
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	20	0.51
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	14	0.51
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	14	0.51
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	14	0.51
(2,2500)	1:105:A:VAL:HG21	1:78:A:ASP:H	10	0.51
(2,2500)	1:105:A:VAL:HG22	1:78:A:ASP:H	10	0.51
(2,2500)	1:105:A:VAL:HG23	1:78:A:ASP:H	10	0.51
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	6	0.51
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	1	0.51
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	18	0.51
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	18	0.51
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	18	0.51
(2,2364)	1:60:A:GLU:HB2	1:61:A:ASP:H	13	0.51
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	12	0.51
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	2	0.51
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	7	0.51
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	7	0.51
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	7	0.51
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	16	0.51
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	16	0.51
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	16	0.51
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	12	0.51
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	15	0.51
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	15	0.51
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	15	0.51
(2,2325)	1:48:A:TYR:H	1:47:A:LEU:HA	19	0.51
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	3	0.51
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	7	0.51
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	4	0.51
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	8	0.51
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	9	0.51
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	14	0.51
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	4	0.51
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	7	0.51
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	11	0.51
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	19	0.51
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	16	0.51
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	4	0.51
(2,2003)	1:79:A:THR:H	1:79:A:THR:HB	14	0.51
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	18	0.51
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	15	0.51
(2,1961)	1:112:A:LYS:HE2	1:112:A:LYS:H	5	0.51
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	10	0.51
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	5	0.51
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	18	0.51
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	11	0.51
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	10	0.51
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	14	0.51
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	13	0.51
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	13	0.51
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	13	0.51
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	7	0.51
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	3	0.51
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	2	0.51
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	4	0.51
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	2	0.51
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	19	0.51
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	3	0.51
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	7	0.51
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	15	0.51
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	18	0.51
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	8	0.51
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	4	0.51
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	4	0.51
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	4	0.51
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	4	0.51
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	4	0.51
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	4	0.51
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	4	0.51
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	4	0.51
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	4	0.51
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	8	0.51
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	8	0.51
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	8	0.51
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	13	0.51
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	4	0.51
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	4	0.51
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	4	0.51
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD11	10	0.51
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD12	10	0.51
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD13	10	0.51
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	11	0.51
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	11	0.51
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	11	0.51
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	20	0.51
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	13	0.51
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	13	0.51
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	13	0.51
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	16	0.51
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	13	0.51
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	13	0.51
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	13	0.51
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	4	0.51
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	4	0.51
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	4	0.51
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	20	0.51
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	20	0.51
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	11	0.51
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	11	0.51
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	11	0.51
(2,1353)	1:114:A:TRP:HB3	1:114:A:TRP:H	17	0.51
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	4	0.51
(2,1329)	1:113:A:ARG:HA	1:116:A:LYS:HB2	6	0.51
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	4	0.51
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	4	0.51
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	4	0.51
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	4	0.51
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	4	0.51
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	4	0.51
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	4	0.51
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	4	0.51
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	4	0.51
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	11	0.51
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	11	0.51
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	11	0.51
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	14	0.51
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	1	0.51
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	7	0.51
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	19	0.51
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	10	0.51
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	15	0.51
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	4	0.51
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	11	0.51
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	11	0.51
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	11	0.51
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	2	0.51
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	2	0.51
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	2	0.51
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	4	0.51
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	4	0.51
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	4	0.51
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	15	0.51
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	15	0.51
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	15	0.51
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	9	0.51
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	1	0.51
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	8	0.51
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	12	0.51
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	19	0.51
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	19	0.51
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	10	0.51
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	10	0.51
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	10	0.51
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	13	0.51
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	13	0.51
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	13	0.51
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	15	0.51
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	15	0.51
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	15	0.51
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	18	0.51
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	18	0.51
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	18	0.51
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	7	0.51
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	11	0.51
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	5	0.51
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	20	0.51
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	8	0.51
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	8	0.51
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	8	0.51
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	7	0.51
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	7	0.51
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	7	0.51
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	2	0.51
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	2	0.51
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	2	0.51
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	2	0.51
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	2	0.51
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	2	0.51
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	2	0.51
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	2	0.51
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	2	0.51
(2,819)	1:80:A:LYS:HA	1:80:A:LYS:HG2	8	0.51
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	17	0.51
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	15	0.51
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	15	0.51
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	15	0.51
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	6	0.51
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	6	0.51
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	6	0.51
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	18	0.51
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	19	0.51
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	19	0.51
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	19	0.51
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	19	0.51
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	19	0.51
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	19	0.51
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	19	0.51
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	19	0.51
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	19	0.51
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	2	0.51
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	20	0.51
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	3	0.51
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	4	0.51
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	6	0.51
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	11	0.51
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	11	0.51
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	11	0.51
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	4	0.51
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	6	0.51
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	2	0.51
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	16	0.51
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	16	0.51
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	8	0.51
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	20	0.51
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	10	0.51
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	11	0.51
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	14	0.51
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	12	0.51
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	2	0.51
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	11	0.51
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	14	0.51
(2,260)	1:77:A:GLU:HA	1:78:A:ASP:H	2	0.51
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	4	0.51
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	4	0.51
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	4	0.51
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	4	0.51
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	4	0.51
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	4	0.51
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	4	0.51
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	4	0.51
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	5	0.51
(2,204)	1:35:A:ILE:HA	1:35:A:ILE:H	18	0.51
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	12	0.51
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	6	0.51
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	17	0.51
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	17	0.51
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	17	0.51
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	17	0.51
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	17	0.51
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	17	0.51
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	17	0.51
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	17	0.51
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	17	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	6	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	6	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	6	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	18	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	18	0.51
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	18	0.51
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	16	0.51
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	16	0.51
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	16	0.51
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	18	0.51
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	18	0.51
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	18	0.51
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG21	2	0.51
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG22	2	0.51
(2,59)	1:25:A:VAL:HA	1:25:A:VAL:HG23	2	0.51
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	1	0.51
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	10	0.51
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	11	0.51
(2,32)	1:24:A:LEU:HA	1:25:A:VAL:H	3	0.51
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	3	0.51
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	3	0.51
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	3	0.51
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	10	0.51
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	10	0.51
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	10	0.51
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	5	0.51
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	6	0.51
(1,1702)	1:106:A:THR:H	1:110:A:GLU:HG2	14	0.51
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD21	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD22	6	0.51
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD23	6	0.51
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	10	0.51
(1,1220)	1:96:A:LYS:H	1:96:A:LYS:HD2	13	0.51
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	6	0.51
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	6	0.51
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	6	0.51
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	13	0.51
(1,729)	1:103:A:ARG:HB3	1:103:A:ARG:HD3	7	0.51
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	18	0.51
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	1	0.51
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	1	0.51
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	1	0.51
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	11	0.51
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	15	0.51
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG11	6	0.51
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG12	6	0.51
(1,564)	1:85:A:VAL:H	1:85:A:VAL:HG13	6	0.51
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	11	0.51
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	11	0.51
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	11	0.51
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG21	14	0.51
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG22	14	0.51
(1,387)	1:71:A:LYS:H	1:70:A:VAL:HG23	14	0.51
(1,341)	1:65:A:SER:H	1:65:A:SER:HB3	2	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	19	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	19	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	19	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	20	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	20	0.51
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	20	0.51
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	7	0.51
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	7	0.51
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	7	0.51
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	4	0.51
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	14	0.51
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	6	0.51
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	6	0.51
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	6	0.51
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	7	0.51
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	7	0.51
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	19	0.51
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	19	0.51
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	19	0.51
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	19	0.51
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	19	0.51
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	19	0.51
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	10	0.5
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	10	0.5
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	10	0.5
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	13	0.5
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	13	0.5
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	13	0.5
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	13	0.5
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	11	0.5
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	11	0.5
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	11	0.5
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	8	0.5
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	10	0.5
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	5	0.5
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	1	0.5
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	20	0.5
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	20	0.5
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	20	0.5
(2,2640)	1:98:A:LEU:HA	1:100:A:VAL:H	5	0.5
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	14	0.5
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	8	0.5
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	8	0.5
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	8	0.5
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	8	0.5
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	16	0.5
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	8	0.5
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	5	0.5
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	5	0.5
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	5	0.5
(2,2522)	1:82:A:ALA:H	1:83:A:ASP:HB3	7	0.5
(2,2489)	1:77:A:GLU:H	1:28:A:TRP:HZ3	6	0.5
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	18	0.5
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	17	0.5
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	17	0.5
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	17	0.5
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	6	0.5
(2,2375)	1:48:A:TYR:HB3	1:63:A:LEU:H	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	8	0.5
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	7	0.5
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	7	0.5
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	7	0.5
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	14	0.5
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	14	0.5
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	14	0.5
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	6	0.5
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	6	0.5
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	6	0.5
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	17	0.5
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	7	0.5
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	8	0.5
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	1	0.5
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	3	0.5
(2,2156)	1:27:A:ILE:HG12	1:28:A:TRP:H	11	0.5
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	3	0.5
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	9	0.5
(2,2118)	1:47:A:LEU:HD21	1:23:A:LEU:H	13	0.5
(2,2118)	1:47:A:LEU:HD22	1:23:A:LEU:H	13	0.5
(2,2118)	1:47:A:LEU:HD23	1:23:A:LEU:H	13	0.5
(2,2107)	1:55:A:ASP:HB3	1:55:A:ASP:H	15	0.5
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	9	0.5
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	6	0.5
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	6	0.5
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	17	0.5
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	5	0.5
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	7	0.5
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	9	0.5
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	14	0.5
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	17	0.5
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	11	0.5
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	15	0.5
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	18	0.5
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	1	0.5
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	8	0.5
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	10	0.5
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	18	0.5
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	13	0.5
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	20	0.5
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	9	0.5
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	11	0.5
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	15	0.5
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	5	0.5
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	9	0.5
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	15	0.5
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	19	0.5
(2,1772)	1:49:A:LEU:HG	1:49:A:LEU:H	2	0.5
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	12	0.5
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	20	0.5
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	20	0.5
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	20	0.5
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	5	0.5
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	5	0.5
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	5	0.5
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	6	0.5
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	7	0.5
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	3	0.5
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	7	0.5
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	14	0.5
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	4	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	3	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	3	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	3	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	6	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	6	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	6	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	11	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	11	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	11	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	12	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	12	0.5
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	12	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	2	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	2	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	2	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	10	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	10	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	10	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	15	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	15	0.5
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	15	0.5
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	10	0.5
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	2	0.5
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	11	0.5
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	11	0.5
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	11	0.5
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	15	0.5
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	15	0.5
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	15	0.5
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	5	0.5
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	5	0.5
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	5	0.5
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	16	0.5
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	16	0.5
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	16	0.5
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	16	0.5
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	16	0.5
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	16	0.5
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	16	0.5
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	16	0.5
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	16	0.5
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	8	0.5
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	15	0.5
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	15	0.5
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	15	0.5
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	17	0.5
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	17	0.5
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	17	0.5
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	5	0.5
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	5	0.5
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	5	0.5
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	10	0.5
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	2	0.5
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	7	0.5
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	3	0.5
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	13	0.5
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	20	0.5
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	10	0.5
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	10	0.5
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	10	0.5
(2,1181)	1:104:A:LYS:HG3	1:104:A:LYS:HE2	2	0.5
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	18	0.5
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	6	0.5
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	10	0.5
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	12	0.5
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	12	0.5
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	19	0.5
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	19	0.5
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	19	0.5
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	9	0.5
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	9	0.5
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	9	0.5
(2,1060)	1:101:A:ARG:H	1:100:A:VAL:HB	2	0.5
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	9	0.5
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	20	0.5
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	7	0.5
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	4	0.5
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	4	0.5
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	5	0.5
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	9	0.5
(2,965)	1:98:A:LEU:HB3	1:93:A:ALA:HA	13	0.5
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	20	0.5
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	4	0.5
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	4	0.5
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	4	0.5
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	6	0.5
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	6	0.5
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	6	0.5
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	6	0.5
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	10	0.5
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	19	0.5
(2,776)	1:76:A:LEU:HB2	1:76:A:LEU:HG	18	0.5
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	11	0.5
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	17	0.5
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	17	0.5
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	17	0.5
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	18	0.5
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	18	0.5
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	18	0.5
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	5	0.5
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	5	0.5
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	5	0.5
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	14	0.5
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	14	0.5
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	20	0.5
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	8	0.5
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	8	0.5
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	8	0.5
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	10	0.5
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	13	0.5
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	14	0.5
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	15	0.5
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	16	0.5
(2,604)	1:70:A:VAL:H	1:70:A:VAL:HB	14	0.5
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	14	0.5
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	16	0.5
(2,581)	1:69:A:PRO:HB2	1:69:A:PRO:HA	14	0.5
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	3	0.5
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	17	0.5
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	10	0.5
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	16	0.5
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	16	0.5
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	16	0.5
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	19	0.5
(2,505)	1:66:A:LEU:HD21	1:63:A:LEU:HB2	20	0.5
(2,505)	1:66:A:LEU:HD22	1:63:A:LEU:HB2	20	0.5
(2,505)	1:66:A:LEU:HD23	1:63:A:LEU:HB2	20	0.5
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	6	0.5
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	17	0.5
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	16	0.5
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	7	0.5
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	4	0.5
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	17	0.5
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	17	0.5
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	17	0.5
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	6	0.5
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	6	0.5
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	6	0.5
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	12	0.5
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	12	0.5
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	12	0.5
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	6	0.5
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	18	0.5
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	10	0.5
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	10	0.5
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	10	0.5
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	10	0.5
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	10	0.5
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	10	0.5
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	10	0.5
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	10	0.5
(2,263)	1:77:A:GLU:HA	1:77:A:GLU:H	9	0.5
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	19	0.5
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	8	0.5
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	8	0.5
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	8	0.5
(2,245)	1:39:A:ARG:HA	1:39:A:ARG:HG2	1	0.5
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	6	0.5
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	6	0.5
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	6	0.5
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	6	0.5
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	6	0.5
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	6	0.5
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	6	0.5
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	6	0.5
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	6	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	1	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	1	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	1	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	17	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	17	0.5
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	17	0.5
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	2	0.5
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	5	0.5
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	1	0.5
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	5	0.5
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	8	0.5
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	18	0.5
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	17	0.5
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	17	0.5
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	17	0.5
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	20	0.5
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	20	0.5
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	20	0.5
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	1	0.5
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	1	0.5
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	1	0.5
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	11	0.5
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	11	0.5
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	11	0.5
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	7	0.5
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	16	0.5
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	6	0.5
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	6	0.5
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	6	0.5
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	2	0.5
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	2	0.5
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	2	0.5
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	1	0.5
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	1	0.5
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	1	0.5
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	7	0.5
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	20	0.5
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	20	0.5
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	20	0.5
(1,1778)	1:71:A:LYS:H	1:71:A:LYS:HD2	11	0.5
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	16	0.5
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	1	0.5
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	16	0.5
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	7	0.5
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	7	0.5
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	7	0.5
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	1	0.5
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	9	0.5
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	8	0.5
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	11	0.5
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	20	0.5
(1,696)	1:101:A:ARG:HB3	1:101:A:ARG:HD2	15	0.5
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	16	0.5
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	19	0.5
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	11	0.5
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	5	0.5
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	6	0.5
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	6	0.5
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	6	0.5
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	7	0.5
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	7	0.5
(1,341)	1:65:A:SER:H	1:65:A:SER:HB3	6	0.5
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	3	0.5
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	12	0.5
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	13	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	1	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	1	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	1	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	7	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	7	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	7	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	19	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	19	0.5
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	19	0.5
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	3	0.49
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	14	0.49
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	14	0.49
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	14	0.49
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	14	0.49
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	12	0.49
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	10	0.49
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	10	0.49
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	10	0.49
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	14	0.49
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	1	0.49
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	1	0.49
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	1	0.49
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	1	0.49
(2,2678)	1:76:A:LEU:HB2	1:105:A:VAL:H	8	0.49
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	6	0.49
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	7	0.49
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	3	0.49
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	3	0.49
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	3	0.49
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	8	0.49
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	1	0.49
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	18	0.49
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	5	0.49
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	16	0.49
(2,2443)	1:73:A:LEU:HD11	1:75:A:LEU:H	19	0.49
(2,2443)	1:73:A:LEU:HD12	1:75:A:LEU:H	19	0.49
(2,2443)	1:73:A:LEU:HD13	1:75:A:LEU:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	10	0.49
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	10	0.49
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	10	0.49
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	2	0.49
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	2	0.49
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	2	0.49
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	12	0.49
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	8	0.49
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	7	0.49
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	7	0.49
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	7	0.49
(2,2374)	1:59:A:ILE:HA	1:63:A:LEU:H	13	0.49
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	9	0.49
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	9	0.49
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	9	0.49
(2,2338)	1:26:A:LEU:HD11	1:50:A:LEU:H	14	0.49
(2,2338)	1:26:A:LEU:HD12	1:50:A:LEU:H	14	0.49
(2,2338)	1:26:A:LEU:HD13	1:50:A:LEU:H	14	0.49
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	13	0.49
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	13	0.49
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	13	0.49
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	19	0.49
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	19	0.49
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	19	0.49
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	5	0.49
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	5	0.49
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	18	0.49
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	2	0.49
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	9	0.49
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	18	0.49
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	20	0.49
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	12	0.49
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	18	0.49
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	2	0.49
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	12	0.49
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	19	0.49
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	20	0.49
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	17	0.49
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	16	0.49
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	1	0.49
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	2	0.49
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	11	0.49
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	7	0.49
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	16	0.49
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	2	0.49
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	11	0.49
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	6	0.49
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	17	0.49
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	20	0.49
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	16	0.49
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	3	0.49
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	2	0.49
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	5	0.49
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	11	0.49
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	16	0.49
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	12	0.49
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	7	0.49
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	7	0.49
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	7	0.49
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	2	0.49
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	8	0.49
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	17	0.49
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	17	0.49
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	17	0.49
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	18	0.49
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	1	0.49
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	5	0.49
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	16	0.49
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	19	0.49
(2,1787)	1:62:A:ILE:H	1:62:A:ILE:HA	3	0.49
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	10	0.49
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	3	0.49
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	3	0.49
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	3	0.49
(2,1715)	1:23:A:LEU:HD21	1:23:A:LEU:H	17	0.49
(2,1715)	1:23:A:LEU:HD22	1:23:A:LEU:H	17	0.49
(2,1715)	1:23:A:LEU:HD23	1:23:A:LEU:H	17	0.49
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	17	0.49
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	7	0.49
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	19	0.49
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	1	0.49
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	19	0.49
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	12	0.49
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	18	0.49
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	20	0.49
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	2	0.49
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	13	0.49
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	15	0.49
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	1	0.49
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	8	0.49
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	18	0.49
(2,1507)	1:66:A:LEU:HB3	1:66:A:LEU:HG	20	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	2	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	2	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	2	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	4	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	4	0.49
(2,1489)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	4	0.49
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	6	0.49
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	6	0.49
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	6	0.49
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	3	0.49
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	9	0.49
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	19	0.49
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	3	0.49
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	10	0.49
(2,1448)	1:120:A:GLU:HB3	1:120:A:GLU:HA	20	0.49
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	15	0.49
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	13	0.49
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	3	0.49
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	3	0.49
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	3	0.49
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	3	0.49
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	3	0.49
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	3	0.49
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	3	0.49
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	3	0.49
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	3	0.49
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	10	0.49
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	16	0.49
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	8	0.49
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	8	0.49
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	8	0.49
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:112:A:LYS:HA	1:112:A:LYS:HG2	15	0.49
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	5	0.49
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	4	0.49
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	15	0.49
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	5	0.49
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	9	0.49
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	1	0.49
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	9	0.49
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	9	0.49
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	9	0.49
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	16	0.49
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	7	0.49
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	8	0.49
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	11	0.49
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	5	0.49
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	3	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	3	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	3	0.49
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	10	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	10	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	10	0.49
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	14	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	14	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	14	0.49
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	16	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	16	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	16	0.49
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	19	0.49
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	19	0.49
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	19	0.49
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	15	0.49
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	8	0.49
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	18	0.49
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	12	0.49
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	12	0.49
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	12	0.49
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	6	0.49
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	11	0.49
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	2	0.49
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	2	0.49
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	2	0.49
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	17	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	1	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	2	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	7	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	12	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	16	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	19	0.49
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	20	0.49
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	3	0.49
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	10	0.49
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	15	0.49
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	1	0.49
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	2	0.49
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	2	0.49
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	2	0.49
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	14	0.49
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	14	0.49
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	14	0.49
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	4	0.49
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	16	0.49
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	12	0.49
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	19	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	5	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	5	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	5	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	5	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	5	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	5	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	5	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	5	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	5	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	12	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	12	0.49
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	12	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	12	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	12	0.49
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	12	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	12	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	12	0.49
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	12	0.49
(2,830)	1:85:A:VAL:HG21	1:82:A:ALA:HA	11	0.49
(2,830)	1:85:A:VAL:HG22	1:82:A:ALA:HA	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:85:A:VAL:HG23	1:82:A:ALA:HA	11	0.49
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	9	0.49
(2,715)	1:26:A:LEU:HB3	1:74:A:VAL:HA	11	0.49
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	9	0.49
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	9	0.49
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	9	0.49
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	9	0.49
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	9	0.49
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	9	0.49
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	9	0.49
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	9	0.49
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	9	0.49
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	18	0.49
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	18	0.49
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	18	0.49
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	19	0.49
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	19	0.49
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	19	0.49
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	11	0.49
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	11	0.49
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	11	0.49
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	8	0.49
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	8	0.49
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	8	0.49
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	4	0.49
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	4	0.49
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	4	0.49
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	19	0.49
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	3	0.49
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	7	0.49
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	12	0.49
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	2	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	1	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	2	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	3	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	4	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	5	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	6	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	7	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	13	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	15	0.49
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	2	0.49
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	16	0.49
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	17	0.49
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	14	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	8	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	8	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	8	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	8	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	8	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	8	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	8	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	8	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	8	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	18	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	18	0.49
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	18	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	18	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	18	0.49
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	18	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	18	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	18	0.49
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	18	0.49
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	7	0.49
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	7	0.49
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	7	0.49
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	11	0.49
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	20	0.49
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	20	0.49
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	1	0.49
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	4	0.49
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	9	0.49
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	13	0.49
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	5	0.49
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	5	0.49
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	5	0.49
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	10	0.49
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	10	0.49
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	10	0.49
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	5	0.49
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	11	0.49
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	11	0.49
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	6	0.49
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	6	0.49
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	6	0.49
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	6	0.49
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	6	0.49
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	6	0.49
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	6	0.49
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	6	0.49
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	20	0.49
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	20	0.49
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	20	0.49
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	4	0.49
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	6	0.49
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	6	0.49
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	6	0.49
(2,191)	1:34:A:LEU:HD11	1:105:A:VAL:HB	9	0.49
(2,191)	1:34:A:LEU:HD12	1:105:A:VAL:HB	9	0.49
(2,191)	1:34:A:LEU:HD13	1:105:A:VAL:HB	9	0.49
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB1	13	0.49
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB2	13	0.49
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB3	13	0.49
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB1	13	0.49
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB2	13	0.49
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB3	13	0.49
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB1	13	0.49
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB2	13	0.49
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB3	13	0.49
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	17	0.49
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	10	0.49
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	15	0.49
(2,140)	1:30:A:ASN:HA	1:30:A:ASN:HB3	2	0.49
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	16	0.49
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	8	0.49
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	8	0.49
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	8	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	7	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	7	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	7	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	13	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	13	0.49
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	13	0.49
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	9	0.49
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	9	0.49
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	12	0.49
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	12	0.49
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	12	0.49
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	4	0.49
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	9	0.49
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	19	0.49
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	19	0.49
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	19	0.49
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	6	0.49
(1,1856)	1:85:A:VAL:HG11	1:28:A:TRP:HE1	15	0.49
(1,1856)	1:85:A:VAL:HG12	1:28:A:TRP:HE1	15	0.49
(1,1856)	1:85:A:VAL:HG13	1:28:A:TRP:HE1	15	0.49
(1,1702)	1:106:A:THR:H	1:110:A:GLU:HG2	11	0.49
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	8	0.49
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	18	0.49
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	11	0.49
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	11	0.49
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	11	0.49
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	7	0.49
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	19	0.49
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	19	0.49
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	19	0.49
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	4	0.49
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	9	0.49
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	14	0.49
(1,845)	1:112:A:LYS:HA	1:41:A:MET:HG3	4	0.49
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	10	0.49
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	10	0.49
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	10	0.49
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	10	0.49
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD1	10	0.49
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD2	10	0.49
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	3	0.49
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	8	0.49
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	2	0.49
(1,604)	1:90:A:GLU:HA	1:90:A:GLU:HB2	16	0.49
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	19	0.49
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	13	0.49
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	13	0.49
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:75:A:LEU:H	1:75:A:LEU:HB3	18	0.49
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	6	0.49
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	6	0.49
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	6	0.49
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	9	0.49
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	9	0.49
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	9	0.49
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	12	0.49
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	4	0.49
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	4	0.49
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	4	0.49
(1,347)	1:66:A:LEU:H	1:66:A:LEU:HB3	17	0.49
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	2	0.49
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	11	0.49
(1,251)	1:52:A:LEU:H	1:52:A:LEU:HB2	6	0.49
(1,177)	1:42:A:ALA:HB1	1:49:A:LEU:HB3	20	0.49
(1,177)	1:42:A:ALA:HB2	1:49:A:LEU:HB3	20	0.49
(1,177)	1:42:A:ALA:HB3	1:49:A:LEU:HB3	20	0.49
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD21	15	0.49
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD22	15	0.49
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD23	15	0.49
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD21	15	0.49
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD22	15	0.49
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD23	15	0.49
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD21	15	0.49
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD22	15	0.49
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD23	15	0.49
(1,37)	1:25:A:VAL:HG21	1:73:A:LEU:HB2	20	0.49
(1,37)	1:25:A:VAL:HG22	1:73:A:LEU:HB2	20	0.49
(1,37)	1:25:A:VAL:HG23	1:73:A:LEU:HB2	20	0.49
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	7	0.48
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	7	0.48
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	7	0.48
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	4	0.48
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	4	0.48
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	4	0.48
(2,2752)	1:105:A:VAL:HG11	1:113:A:ARG:H	18	0.48
(2,2752)	1:105:A:VAL:HG12	1:113:A:ARG:H	18	0.48
(2,2752)	1:105:A:VAL:HG13	1:113:A:ARG:H	18	0.48
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	2	0.48
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	3	0.48
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	3	0.48
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	8	0.48
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	10	0.48
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	11	0.48
(2,2691)	1:105:A:VAL:HA	1:107:A:SER:H	7	0.48
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	7	0.48
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	7	0.48
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	7	0.48
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	10	0.48
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	10	0.48
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	10	0.48
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	17	0.48
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	17	0.48
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	17	0.48
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	19	0.48
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	19	0.48
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	19	0.48
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	7	0.48
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	12	0.48
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	14	0.48
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	8	0.48
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	12	0.48
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	5	0.48
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	5	0.48
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	5	0.48
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	14	0.48
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	1	0.48
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	9	0.48
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	19	0.48
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	19	0.48
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	19	0.48
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	20	0.48
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	19	0.48
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	19	0.48
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	19	0.48
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	4	0.48
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	12	0.48
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	17	0.48
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	17	0.48
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	17	0.48
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	6	0.48
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	19	0.48
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	5	0.48
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	9	0.48
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	12	0.48
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	12	0.48
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	12	0.48
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	11	0.48
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	11	0.48
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	11	0.48
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	6	0.48
(2,2185)	1:34:A:LEU:HB3	1:31:A:ASP:H	11	0.48
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	19	0.48
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	15	0.48
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	15	0.48
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	15	0.48
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	20	0.48
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	14	0.48
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	15	0.48
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	12	0.48
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	10	0.48
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	3	0.48
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	7	0.48
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	16	0.48
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	9	0.48
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	3	0.48
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	13	0.48
(2,2014)	1:33:A:LYS:HB2	1:33:A:LYS:H	1	0.48
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	1	0.48
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	9	0.48
(2,1945)	1:86:A:LYS:H	1:86:A:LYS:HE2	15	0.48
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	8	0.48
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	6	0.48
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	16	0.48
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	9	0.48
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	1	0.48
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	8	0.48
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	20	0.48
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	13	0.48
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	13	0.48
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	13	0.48
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	16	0.48
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	15	0.48
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	11	0.48
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	12	0.48
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	12	0.48
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	12	0.48
(2,1808)	1:67:A:GLY:HA3	1:67:A:GLY:H	2	0.48
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	12	0.48
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	6	0.48
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	3	0.48
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	6	0.48
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	8	0.48
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	12	0.48
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	10	0.48
(2,1754)	1:35:A:ILE:HD11	1:35:A:ILE:H	5	0.48
(2,1754)	1:35:A:ILE:HD12	1:35:A:ILE:H	5	0.48
(2,1754)	1:35:A:ILE:HD13	1:35:A:ILE:H	5	0.48
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	16	0.48
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	16	0.48
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	16	0.48
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	17	0.48
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	7	0.48
(2,1591)	1:96:A:LYS:H	1:97:A:ASN:H	14	0.48
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	18	0.48
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	5	0.48
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	17	0.48
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	20	0.48
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	2	0.48
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	2	0.48
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	10	0.48
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	10	0.48
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	10	0.48
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	10	0.48
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	10	0.48
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	10	0.48
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	10	0.48
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	10	0.48
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	10	0.48
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	9	0.48
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	9	0.48
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	9	0.48
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	12	0.48
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	12	0.48
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	17	0.48
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	17	0.48
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	17	0.48
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	17	0.48
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	10	0.48
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	14	0.48
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	15	0.48
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	2	0.48
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	19	0.48
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	19	0.48
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	19	0.48
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	19	0.48
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	19	0.48
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	19	0.48
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	19	0.48
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	19	0.48
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	19	0.48
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	2	0.48
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	2	0.48
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	2	0.48
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	9	0.48
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	9	0.48
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	9	0.48
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	10	0.48
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	10	0.48
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	10	0.48
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	9	0.48
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	19	0.48
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	13	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	1	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	5	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	6	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	8	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	9	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	12	0.48
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	16	0.48
(2,1274)	1:110:A:GLU:HB2	1:110:A:GLU:HA	18	0.48
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	14	0.48
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	17	0.48
(2,1266)	1:34:A:LEU:HD11	1:108:A:PRO:HG2	17	0.48
(2,1266)	1:34:A:LEU:HD12	1:108:A:PRO:HG2	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1266)	1:34:A:LEU:HD13	1:108:A:PRO:HG2	17	0.48
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	14	0.48
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	4	0.48
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	12	0.48
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	6	0.48
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	2	0.48
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	2	0.48
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	2	0.48
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	20	0.48
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	20	0.48
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	20	0.48
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	1	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	2	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	5	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	7	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	16	0.48
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	20	0.48
(2,1134)	1:103:A:ARG:HA	1:104:A:LYS:H	10	0.48
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	12	0.48
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	12	0.48
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	12	0.48
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	7	0.48
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	17	0.48
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	1	0.48
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	1	0.48
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	1	0.48
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	7	0.48
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	7	0.48
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	7	0.48
(2,1110)	1:102:A:ILE:HD11	1:86:A:LYS:HG3	19	0.48
(2,1110)	1:102:A:ILE:HD12	1:86:A:LYS:HG3	19	0.48
(2,1110)	1:102:A:ILE:HD13	1:86:A:LYS:HG3	19	0.48
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	2	0.48
(2,1095)	1:101:A:ARG:HD2	1:101:A:ARG:HG3	6	0.48
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	1	0.48
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	16	0.48
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	6	0.48
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	19	0.48
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	17	0.48
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	17	0.48
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	17	0.48
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	10	0.48
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	10	0.48
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	5	0.48
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	18	0.48
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	1	0.48
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	1	0.48
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	1	0.48
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	10	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	3	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	6	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	10	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	11	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	13	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	14	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	15	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	17	0.48
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	18	0.48
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	15	0.48
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	15	0.48
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	15	0.48
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	17	0.48
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	17	0.48
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	17	0.48
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	15	0.48
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	15	0.48
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	15	0.48
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	7	0.48
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	7	0.48
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	7	0.48
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	12	0.48
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	12	0.48
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	12	0.48
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	13	0.48
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	6	0.48
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	9	0.48
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	2	0.48
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	8	0.48
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	9	0.48
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	16	0.48
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	20	0.48
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	20	0.48
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	6	0.48
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	6	0.48
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	6	0.48
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	7	0.48
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	19	0.48
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	20	0.48
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	7	0.48
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	7	0.48
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	7	0.48
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	19	0.48
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	19	0.48
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	19	0.48
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	8	0.48
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	19	0.48
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	13	0.48
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	7	0.48
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	9	0.48
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	9	0.48
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	9	0.48
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	11	0.48
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	11	0.48
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	11	0.48
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	8	0.48
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	8	0.48
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	8	0.48
(2,686)	1:73:A:LEU:HD21	1:118:A:PHE:HA	14	0.48
(2,686)	1:73:A:LEU:HD22	1:118:A:PHE:HA	14	0.48
(2,686)	1:73:A:LEU:HD23	1:118:A:PHE:HA	14	0.48
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	3	0.48
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	3	0.48
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	3	0.48
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	1	0.48
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	1	0.48
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	1	0.48
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	9	0.48
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	9	0.48
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	9	0.48
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	8	0.48
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	17	0.48
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	20	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	1	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	4	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	6	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	7	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	8	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	9	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	10	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	12	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	16	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	17	0.48
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	20	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	8	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	9	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	10	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	11	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	12	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	18	0.48
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	19	0.48
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	9	0.48
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	4	0.48
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	4	0.48
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	4	0.48
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	12	0.48
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	12	0.48
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	12	0.48
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	12	0.48
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	15	0.48
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	3	0.48
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	3	0.48
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	3	0.48
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	8	0.48
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	10	0.48
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	16	0.48
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	5	0.48
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	10	0.48
(2,408)	1:53:A:GLU:HA	1:54:A:THR:H	11	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	1	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	1	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	1	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	4	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	4	0.48
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	4	0.48
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,340)	1:49:A:LEU:HB2	1:49:A:LEU:HG	12	0.48
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	16	0.48
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	20	0.48
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	11	0.48
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	11	0.48
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	11	0.48
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	12	0.48
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	14	0.48
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	2	0.48
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	17	0.48
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	8	0.48
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	8	0.48
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	8	0.48
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	8	0.48
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	8	0.48
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	8	0.48
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	8	0.48
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	8	0.48
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	8	0.48
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	16	0.48
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	16	0.48
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	16	0.48
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB1	20	0.48
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB2	20	0.48
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB3	20	0.48
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	6	0.48
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	6	0.48
(2,184)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	6	0.48
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	17	0.48
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	4	0.48
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	15	0.48
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	10	0.48
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	10	0.48
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	10	0.48
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	10	0.48
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	2	0.48
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	2	0.48
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	2	0.48
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	14	0.48
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	2	0.48
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	2	0.48
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	3	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	3	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	3	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	9	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	9	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	9	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	18	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	18	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	18	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	20	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	20	0.48
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	20	0.48
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	3	0.48
(1,2158)	1:35:A:ILE:H	1:32:A:LYS:HE2	9	0.48
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	14	0.48
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	14	0.48
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	14	0.48
(1,1844)	1:82:A:ALA:H	1:76:A:LEU:HD11	2	0.48
(1,1844)	1:82:A:ALA:H	1:76:A:LEU:HD12	2	0.48
(1,1844)	1:82:A:ALA:H	1:76:A:LEU:HD13	2	0.48
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	2	0.48
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	7	0.48
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	9	0.48
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	13	0.48
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	4	0.48
(1,985)	1:113:A:ARG:HG3	1:113:A:ARG:HD3	20	0.48
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	4	0.48
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	12	0.48
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	19	0.48
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	20	0.48
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	2	0.48
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	4	0.48
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	15	0.48
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	2	0.48
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	8	0.48
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	5	0.48
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	14	0.48
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	14	0.48
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	14	0.48
(1,341)	1:65:A:SER:H	1:65:A:SER:HB3	18	0.48
(1,165)	1:44:A:LYS:HD2	1:41:A:MET:HA	13	0.48
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	6	0.48
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	6	0.48
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	1	0.47
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	1	0.47
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	1	0.47
(2,2841)	1:23:A:LEU:HD21	1:121:A:GLU:H	19	0.47
(2,2841)	1:23:A:LEU:HD22	1:121:A:GLU:H	19	0.47
(2,2841)	1:23:A:LEU:HD23	1:121:A:GLU:H	19	0.47
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	9	0.47
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	6	0.47
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	6	0.47
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	6	0.47
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	19	0.47
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	19	0.47
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	19	0.47
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	20	0.47
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	20	0.47
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	20	0.47
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	17	0.47
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	17	0.47
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	17	0.47
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	18	0.47
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	18	0.47
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	18	0.47
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	8	0.47
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	13	0.47
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	14	0.47
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	20	0.47
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	19	0.47
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	12	0.47
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	6	0.47
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	6	0.47
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	6	0.47
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	15	0.47
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	15	0.47
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	15	0.47
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	20	0.47
(2,2431)	1:73:A:LEU:HD21	1:74:A:VAL:H	12	0.47
(2,2431)	1:73:A:LEU:HD22	1:74:A:VAL:H	12	0.47
(2,2431)	1:73:A:LEU:HD23	1:74:A:VAL:H	12	0.47
(2,2393)	1:66:A:LEU:HB3	1:67:A:GLY:H	7	0.47
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	14	0.47
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	14	0.47
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	2	0.47
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	2	0.47
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	2	0.47
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	3	0.47
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	20	0.47
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	12	0.47
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	14	0.47
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	6	0.47
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	11	0.47
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	9	0.47
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	9	0.47
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	1	0.47
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	6	0.47
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	6	0.47
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	6	0.47
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	6	0.47
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	1	0.47
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	2	0.47
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	13	0.47
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	19	0.47
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	19	0.47
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	19	0.47
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	4	0.47
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	2	0.47
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	15	0.47
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	2	0.47
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	17	0.47
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	1	0.47
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	5	0.47
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	3	0.47
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	3	0.47
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	20	0.47
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	5	0.47
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	19	0.47
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	19	0.47
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	10	0.47
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	4	0.47
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	16	0.47
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	20	0.47
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	14	0.47
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	4	0.47
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	12	0.47
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	15	0.47
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	4	0.47
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	17	0.47
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	2	0.47
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	9	0.47
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	10	0.47
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	15	0.47
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	15	0.47
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	15	0.47
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	19	0.47
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	19	0.47
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	19	0.47
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	11	0.47
(2,1704)	1:67:A:GLY:H	1:66:A:LEU:H	2	0.47
(2,1575)	1:74:A:VAL:H	1:101:A:ARG:H	16	0.47
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	6	0.47
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	2	0.47
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	2	0.47
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	2	0.47
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	2	0.47
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	2	0.47
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	2	0.47
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	2	0.47
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	2	0.47
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	2	0.47
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	1	0.47
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	1	0.47
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	1	0.47
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	6	0.47
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	6	0.47
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	6	0.47
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	19	0.47
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	20	0.47
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	20	0.47
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	20	0.47
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	8	0.47
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	8	0.47
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	8	0.47
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	17	0.47
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	11	0.47
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	3	0.47
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	5	0.47
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	5	0.47
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	5	0.47
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	3	0.47
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	19	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	1	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	1	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	1	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	2	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	2	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	2	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	3	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	3	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	3	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	4	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	4	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	4	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	5	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	5	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	5	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	6	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	6	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	6	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	7	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	7	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	7	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	8	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	8	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	8	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	11	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	11	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	11	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	12	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	12	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	12	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	13	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	13	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	13	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	14	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	14	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	15	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	15	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	15	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	16	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	16	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	16	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	17	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	17	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	17	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	18	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	18	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	18	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	19	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	19	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	19	0.47
(2,1302)	1:111:A:ALA:HB1	1:111:A:ALA:HA	20	0.47
(2,1302)	1:111:A:ALA:HB2	1:111:A:ALA:HA	20	0.47
(2,1302)	1:111:A:ALA:HB3	1:111:A:ALA:HA	20	0.47
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	1	0.47
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	8	0.47
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	10	0.47
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	11	0.47
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	17	0.47
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	7	0.47
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	11	0.47
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	13	0.47
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	15	0.47
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	19	0.47
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	1	0.47
(2,1236)	1:107:A:SER:HB2	1:107:A:SER:HA	14	0.47
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	2	0.47
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	8	0.47
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	6	0.47
(2,1170)	1:104:A:LYS:H	1:104:A:LYS:HB3	11	0.47
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	20	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	1	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	3	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	4	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	6	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	10	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	11	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	12	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	13	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	14	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	15	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	17	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	18	0.47
(2,1160)	1:104:A:LYS:HA	1:104:A:LYS:HB2	19	0.47
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	4	0.47
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	2	0.47
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	7	0.47
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	17	0.47
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	17	0.47
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	17	0.47
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	7	0.47
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	7	0.47
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	7	0.47
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	3	0.47
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	7	0.47
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	9	0.47
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	15	0.47
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	16	0.47
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	10	0.47
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	5	0.47
(2,986)	1:97:A:ASN:HA	1:97:A:ASN:H	8	0.47
(2,961)	1:93:A:ALA:H	1:92:A:LYS:HB2	5	0.47
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	1	0.47
(2,946)	1:90:A:GLU:HB3	1:91:A:LYS:H	1	0.47
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	2	0.47
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	2	0.47
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	2	0.47
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	7	0.47
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	7	0.47
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	7	0.47
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	17	0.47
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	17	0.47
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	17	0.47
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	14	0.47
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	14	0.47
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	14	0.47
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	7	0.47
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	10	0.47
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	18	0.47
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	6	0.47
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	14	0.47
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	3	0.47
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	14	0.47
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	20	0.47
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	18	0.47
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	18	0.47
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	18	0.47
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	11	0.47
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	11	0.47
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	11	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	1	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	1	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	1	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	11	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	11	0.47
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	11	0.47
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	2	0.47
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	7	0.47
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	11	0.47
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	13	0.47
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	19	0.47
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	15	0.47
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	16	0.47
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	16	0.47
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	16	0.47
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	12	0.47
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	10	0.47
(2,670)	1:102:A:ILE:HG21	1:103:A:ARG:H	17	0.47
(2,670)	1:102:A:ILE:HG22	1:103:A:ARG:H	17	0.47
(2,670)	1:102:A:ILE:HG23	1:103:A:ARG:H	17	0.47
(2,650)	1:24:A:LEU:HB2	1:72:A:ILE:HA	8	0.47
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	14	0.47
(2,631)	1:71:A:LYS:HB3	1:71:A:LYS:H	2	0.47
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	5	0.47
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	11	0.47
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	18	0.47
(2,603)	1:70:A:VAL:HA	1:70:A:VAL:HB	19	0.47
(2,593)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	17	0.47
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	11	0.47
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	12	0.47
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	12	0.47
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	12	0.47
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	12	0.47
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	12	0.47
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	12	0.47
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	12	0.47
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	12	0.47
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	12	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	1	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	4	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	6	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	12	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	13	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	14	0.47
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	18	0.47
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	3	0.47
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	16	0.47
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	16	0.47
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	16	0.47
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	6	0.47
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	20	0.47
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	10	0.47
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	20	0.47
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	17	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	1	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	3	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	6	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	7	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	10	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	18	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	19	0.47
(2,399)	1:76:A:LEU:HA	1:76:A:LEU:HB2	20	0.47
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	7	0.47
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	16	0.47
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	4	0.47
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	11	0.47
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	11	0.47
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	11	0.47
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	11	0.47
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	11	0.47
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	11	0.47
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	11	0.47
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	11	0.47
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	13	0.47
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	4	0.47
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	4	0.47
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	4	0.47
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	4	0.47
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	4	0.47
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	4	0.47
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	4	0.47
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	4	0.47
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	4	0.47
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	4	0.47
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	17	0.47
(2,273)	1:41:A:MET:HB3	1:41:A:MET:HG2	20	0.47
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	3	0.47
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	18	0.47
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	18	0.47
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	18	0.47
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	18	0.47
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	18	0.47
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	18	0.47
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	18	0.47
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	18	0.47
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	18	0.47
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	1	0.47
(2,180)	1:34:A:LEU:HA	1:34:A:LEU:HB2	9	0.47
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	8	0.47
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	9	0.47
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	10	0.47
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	12	0.47
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	20	0.47
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	19	0.47
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	11	0.47
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	14	0.47
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	14	0.47
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	14	0.47
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	9	0.47
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	7	0.47
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	7	0.47
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	7	0.47
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	7	0.47
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	7	0.47
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	7	0.47
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	7	0.47
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	7	0.47
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	16	0.47
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	20	0.47
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	2	0.47
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	2	0.47
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	2	0.47
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	12	0.47
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	12	0.47
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	12	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	7	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	7	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	7	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	8	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	8	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	8	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	16	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	16	0.47
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	16	0.47
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	6	0.47
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	11	0.47
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	9	0.47
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	14	0.47
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	6	0.47
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	1	0.47
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	8	0.47
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	9	0.47
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	15	0.47
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	2	0.47
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	16	0.47
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	4	0.47
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	12	0.47
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	16	0.47
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	18	0.47
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	13	0.47
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	12	0.47
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	12	0.47
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	12	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	2	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	2	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	2	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	4	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	4	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	4	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	5	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	5	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	5	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	13	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	13	0.47
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	13	0.47
(1,344)	1:66:A:LEU:HB2	1:66:A:LEU:HA	17	0.47
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	9	0.47
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	9	0.47
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	9	0.47
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	5	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	13	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	13	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	13	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	17	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	17	0.47
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	17	0.47
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	14	0.46
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	10	0.46
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	3	0.46
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	3	0.46
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	3	0.46
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	15	0.46
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	8	0.46
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	11	0.46
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	3	0.46
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	2	0.46
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	2	0.46
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	2	0.46
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	11	0.46
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	11	0.46
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	11	0.46
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	17	0.46
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	17	0.46
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	17	0.46
(2,2646)	1:74:A:VAL:H	1:101:A:ARG:H	19	0.46
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	11	0.46
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	11	0.46
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	11	0.46
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	11	0.46
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	14	0.46
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	9	0.46
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	14	0.46
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	15	0.46
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	1	0.46
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	1	0.46
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	1	0.46
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	6	0.46
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	6	0.46
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	6	0.46
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	7	0.46
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	7	0.46
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	7	0.46
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	9	0.46
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	9	0.46
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	9	0.46
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	1	0.46
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	5	0.46
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	5	0.46
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	15	0.46
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	12	0.46
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	20	0.46
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	20	0.46
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	20	0.46
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	14	0.46
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	17	0.46
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	8	0.46
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	10	0.46
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	15	0.46
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	8	0.46
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	8	0.46
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	8	0.46
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	20	0.46
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	20	0.46
(2,2176)	1:29:A:SER:HB2	1:30:A:ASN:H	7	0.46
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	17	0.46
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	17	0.46
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	17	0.46
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	5	0.46
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	5	0.46
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	5	0.46
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	9	0.46
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	1	0.46
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	12	0.46
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	9	0.46
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	16	0.46
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	7	0.46
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	6	0.46
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	18	0.46
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	5	0.46
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	17	0.46
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	17	0.46
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	18	0.46
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	7	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	1	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	8	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	9	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	11	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	12	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	13	0.46
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	17	0.46
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	10	0.46
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD11	6	0.46
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD12	6	0.46
(2,1990)	1:50:A:LEU:H	1:50:A:LEU:HD13	6	0.46
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	7	0.46
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	16	0.46
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	13	0.46
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	15	0.46
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	5	0.46
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	5	0.46
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	7	0.46
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	7	0.46
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	7	0.46
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	14	0.46
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	12	0.46
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	5	0.46
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	17	0.46
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	17	0.46
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	17	0.46
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	7	0.46
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	7	0.46
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	7	0.46
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	16	0.46
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	2	0.46
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	10	0.46
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	6	0.46
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	14	0.46
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	9	0.46
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	17	0.46
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	9	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	8	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	8	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	8	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	8	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	8	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	8	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	8	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	8	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	8	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	16	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	16	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	16	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	16	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	16	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	16	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	16	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	16	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	16	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	18	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	18	0.46
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	18	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	18	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	18	0.46
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	18	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	18	0.46
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	18	0.46
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	5	0.46
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	8	0.46
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	16	0.46
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	12	0.46
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	12	0.46
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	12	0.46
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	4	0.46
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	10	0.46
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	13	0.46
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	14	0.46
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	20	0.46
(2,1422)	1:118:A:PHE:HB3	1:118:A:PHE:H	20	0.46
(2,1378)	1:115:A:ILE:HD11	1:112:A:LYS:HA	20	0.46
(2,1378)	1:115:A:ILE:HD12	1:112:A:LYS:HA	20	0.46
(2,1378)	1:115:A:ILE:HD13	1:112:A:LYS:HA	20	0.46
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	13	0.46
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	13	0.46
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	13	0.46
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	1	0.46
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	11	0.46
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	15	0.46
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	15	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	1	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	2	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	4	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	5	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	6	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	7	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	8	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	9	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	10	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	11	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	12	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	13	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	14	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	15	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	16	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	17	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	18	0.46
(2,1344)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	20	0.46
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	20	0.46
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	20	0.46
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	20	0.46
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	20	0.46
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	20	0.46
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	20	0.46
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	20	0.46
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	20	0.46
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	6	0.46
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	6	0.46
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	6	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	3	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	5	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	7	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	13	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	14	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	15	0.46
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	16	0.46
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	4	0.46
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	10	0.46
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	9	0.46
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	10	0.46
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	2	0.46
(2,1169)	1:105:A:VAL:H	1:104:A:LYS:HB3	8	0.46
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	19	0.46
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	5	0.46
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	5	0.46
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	5	0.46
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	9	0.46
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	9	0.46
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	9	0.46
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	13	0.46
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	13	0.46
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	13	0.46
(2,1109)	1:76:A:LEU:HD11	1:102:A:ILE:HB	5	0.46
(2,1109)	1:76:A:LEU:HD12	1:102:A:ILE:HB	5	0.46
(2,1109)	1:76:A:LEU:HD13	1:102:A:ILE:HB	5	0.46
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	10	0.46
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	18	0.46
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	15	0.46
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	15	0.46
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	14	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	1	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	2	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	4	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	12	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	14	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	19	0.46
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	20	0.46
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	17	0.46
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	17	0.46
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	17	0.46
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	7	0.46
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	19	0.46
(2,988)	1:97:A:ASN:HA	1:97:A:ASN:HB3	6	0.46
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	5	0.46
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	12	0.46
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	12	0.46
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	12	0.46
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	17	0.46
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	17	0.46
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	17	0.46
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	6	0.46
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	15	0.46
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	16	0.46
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	19	0.46
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	18	0.46
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	5	0.46
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	13	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	11	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	11	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	11	0.46
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	11	0.46
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	11	0.46
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	11	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	11	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	11	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	11	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	20	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	20	0.46
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	20	0.46
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	20	0.46
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	20	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	20	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	20	0.46
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	20	0.46
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	2	0.46
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	10	0.46
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	15	0.46
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	12	0.46
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	17	0.46
(2,819)	1:80:A:LYS:HA	1:80:A:LYS:HG2	20	0.46
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	2	0.46
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	10	0.46
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	5	0.46
(2,786)	1:76:A:LEU:HD11	1:28:A:TRP:H	14	0.46
(2,786)	1:76:A:LEU:HD12	1:28:A:TRP:H	14	0.46
(2,786)	1:76:A:LEU:HD13	1:28:A:TRP:H	14	0.46
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	16	0.46
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	16	0.46
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	16	0.46
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	4	0.46
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	4	0.46
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	4	0.46
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	19	0.46
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	14	0.46
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	14	0.46
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	14	0.46
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	10	0.46
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	19	0.46
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	19	0.46
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	19	0.46
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	6	0.46
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	19	0.46
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG21	10	0.46
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG22	10	0.46
(2,711)	1:73:A:LEU:HD11	1:115:A:ILE:HG23	10	0.46
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG21	10	0.46
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG22	10	0.46
(2,711)	1:73:A:LEU:HD12	1:115:A:ILE:HG23	10	0.46
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG21	10	0.46
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG22	10	0.46
(2,711)	1:73:A:LEU:HD13	1:115:A:ILE:HG23	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	19	0.46
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	20	0.46
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	20	0.46
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	20	0.46
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	7	0.46
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	7	0.46
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	7	0.46
(2,633)	1:71:A:LYS:HD2	1:71:A:LYS:HB3	14	0.46
(2,601)	1:71:A:LYS:H	1:70:A:VAL:HA	13	0.46
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	17	0.46
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	3	0.46
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	4	0.46
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	9	0.46
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	11	0.46
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	14	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	4	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	5	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	8	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	9	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	14	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	16	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	17	0.46
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	20	0.46
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	8	0.46
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	11	0.46
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	11	0.46
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	11	0.46
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	6	0.46
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	6	0.46
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	6	0.46
(2,505)	1:66:A:LEU:HD21	1:63:A:LEU:HB2	18	0.46
(2,505)	1:66:A:LEU:HD22	1:63:A:LEU:HB2	18	0.46
(2,505)	1:66:A:LEU:HD23	1:63:A:LEU:HB2	18	0.46
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	2	0.46
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	7	0.46
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	17	0.46
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	16	0.46
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	8	0.46
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	10	0.46
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	3	0.46
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	11	0.46
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	11	0.46
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	4	0.46
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	4	0.46
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	4	0.46
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	1	0.46
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	15	0.46
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	13	0.46
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	18	0.46
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	15	0.46
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	15	0.46
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	15	0.46
(2,335)	1:49:A:LEU:HG	1:49:A:LEU:HA	17	0.46
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	2	0.46
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	6	0.46
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	6	0.46
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	6	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	6	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	6	0.46
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	6	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	6	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	6	0.46
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	6	0.46
(2,285)	1:42:A:ALA:HA	1:47:A:LEU:H	17	0.46
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	1	0.46
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	1	0.46
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	1	0.46
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	5	0.46
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	5	0.46
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	5	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	1	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	1	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	1	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	2	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	2	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	2	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	3	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	3	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	3	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	4	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	4	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	4	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	5	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	5	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	6	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	6	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	6	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	7	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	7	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	7	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	8	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	8	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	8	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	9	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	9	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	9	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	10	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	10	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	10	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	11	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	11	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	11	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	12	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	12	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	12	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	13	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	13	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	13	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	14	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	14	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	14	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	15	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	15	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	15	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	16	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	16	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	16	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	17	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	17	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	17	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	18	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	18	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	18	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	19	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	19	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB1	20	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB2	20	0.46
(2,232)	1:38:A:ALA:HA	1:38:A:ALA:HB3	20	0.46
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	3	0.46
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	3	0.46
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	3	0.46
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	3	0.46
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	7	0.46
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	16	0.46
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	19	0.46
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	3	0.46
(2,167)	1:33:A:LYS:HA	1:33:A:LYS:HB2	20	0.46
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	2	0.46
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	2	0.46
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	2	0.46
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	2	0.46
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	19	0.46
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	2	0.46
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	15	0.46
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	15	0.46
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	15	0.46
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD11	10	0.46
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD12	10	0.46
(2,16)	1:23:A:LEU:HB3	1:23:A:LEU:HD13	10	0.46
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	1	0.46
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	8	0.46
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	4	0.46
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	12	0.46
(1,985)	1:113:A:ARG:HG3	1:113:A:ARG:HD3	11	0.46
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	2	0.46
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	6	0.46
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	10	0.46
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	11	0.46
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	1	0.46
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	10	0.46
(1,702)	1:101:A:ARG:HA	1:101:A:ARG:HD2	3	0.46
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	12	0.46
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	15	0.46
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	15	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	3	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	5	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	6	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	9	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	10	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	13	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	15	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	17	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	19	0.46
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	20	0.46
(1,614)	1:92:A:LYS:H	1:92:A:LYS:HB2	16	0.46
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	1	0.46
(1,465)	1:75:A:LEU:H	1:75:A:LEU:HB3	11	0.46
(1,465)	1:75:A:LEU:H	1:75:A:LEU:HB3	16	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	3	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	3	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	3	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	15	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	15	0.46
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	15	0.46
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	13	0.46
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	15	0.46
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	12	0.46
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	12	0.46
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	12	0.46
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	9	0.46
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	2	0.46
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	2	0.46
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD21	19	0.46
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD22	19	0.46
(1,53)	1:76:A:LEU:HA	1:76:A:LEU:HD23	19	0.46
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	11	0.46
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	11	0.46
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	11	0.46
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	11	0.46
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	11	0.46
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	11	0.46
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	11	0.46
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	11	0.46
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	11	0.46
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	20	0.45
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	11	0.45
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	11	0.45
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	7	0.45
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	19	0.45
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	19	0.45
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	19	0.45
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	3	0.45
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	6	0.45
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	12	0.45
(2,2669)	1:103:A:ARG:HB3	1:104:A:LYS:H	11	0.45
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	13	0.45
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	16	0.45
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	9	0.45
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	15	0.45
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	13	0.45
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	8	0.45
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	8	0.45
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	8	0.45
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	14	0.45
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	7	0.45
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	7	0.45
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	7	0.45
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	13	0.45
(2,2385)	1:65:A:SER:HB3	1:66:A:LEU:H	19	0.45
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	4	0.45
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	13	0.45
(2,2350)	1:51:A:THR:HG1	1:52:A:LEU:H	6	0.45
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	16	0.45
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	16	0.45
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	16	0.45
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	8	0.45
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	7	0.45
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	7	0.45
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	3	0.45
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	3	0.45
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	3	0.45
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	5	0.45
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	7	0.45
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	10	0.45
(2,2161)	1:29:A:SER:H	1:77:A:GLU:HB2	18	0.45
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	5	0.45
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	5	0.45
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	5	0.45
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	2	0.45
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	3	0.45
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	7	0.45
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	5	0.45
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	6	0.45
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	14	0.45
(2,2014)	1:33:A:LYS:HB2	1:33:A:LYS:H	18	0.45
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	16	0.45
(2,1998)	1:76:A:LEU:HB2	1:76:A:LEU:H	13	0.45
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	1	0.45
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	1	0.45
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	1	0.45
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	9	0.45
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	15	0.45
(2,1943)	1:86:A:LYS:H	1:86:A:LYS:HD2	9	0.45
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	12	0.45
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	18	0.45
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	19	0.45
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	2	0.45
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	10	0.45
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	20	0.45
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	4	0.45
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	20	0.45
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	20	0.45
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	20	0.45
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	15	0.45
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	8	0.45
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	8	0.45
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	8	0.45
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	15	0.45
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	8	0.45
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	13	0.45
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	20	0.45
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	20	0.45
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	12	0.45
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	8	0.45
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	9	0.45
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	1	0.45
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	3	0.45
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	4	0.45
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	15	0.45
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	6	0.45
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	8	0.45
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	4	0.45
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	4	0.45
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	4	0.45
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	19	0.45
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	19	0.45
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	19	0.45
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	19	0.45
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	19	0.45
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	19	0.45
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	19	0.45
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	19	0.45
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	19	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	3	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	3	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	3	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	3	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	3	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	3	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	3	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	3	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	3	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	4	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	4	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	4	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	4	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	4	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	4	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	4	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	4	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	4	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	7	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	7	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	7	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	7	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	7	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	7	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	7	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	7	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	10	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	10	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	10	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	10	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	10	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	10	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	10	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	10	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	10	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	11	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	11	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	11	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	11	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	11	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	11	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	11	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	11	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	11	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	13	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	13	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	13	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	13	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	13	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	13	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	13	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	13	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	13	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	14	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	14	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	14	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	14	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	14	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	14	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	14	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	14	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	14	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	15	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	15	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	15	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	15	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	15	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	15	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	15	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	15	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	17	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	17	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	17	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	17	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	17	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	17	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	17	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	17	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	17	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	19	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	19	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	19	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	19	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	19	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	19	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	19	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	19	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	19	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	20	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	20	0.45
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	20	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	20	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	20	0.45
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	20	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	20	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	20	0.45
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	20	0.45
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	3	0.45
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	9	0.45
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	4	0.45
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	13	0.45
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	14	0.45
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	18	0.45
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	18	0.45
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	18	0.45
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	8	0.45
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	10	0.45
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	20	0.45
(2,1332)	1:113:A:ARG:HA	1:113:A:ARG:HG3	7	0.45
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	5	0.45
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	5	0.45
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	5	0.45
(2,1317)	1:41:A:MET:HG3	1:112:A:LYS:HA	17	0.45
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	2	0.45
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	15	0.45
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	4	0.45
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	12	0.45
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	1	0.45
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	3	0.45
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	20	0.45
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	9	0.45
(2,1261)	1:34:A:LEU:HA	1:108:A:PRO:HG2	4	0.45
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	17	0.45
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	8	0.45
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	8	0.45
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	8	0.45
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	16	0.45
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	16	0.45
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	16	0.45
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	16	0.45
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	16	0.45
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	16	0.45
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	16	0.45
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	16	0.45
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	16	0.45
(2,1166)	1:76:A:LEU:HD21	1:104:A:LYS:HA	5	0.45
(2,1166)	1:76:A:LEU:HD22	1:104:A:LYS:HA	5	0.45
(2,1166)	1:76:A:LEU:HD23	1:104:A:LYS:HA	5	0.45
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	16	0.45
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	16	0.45
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	16	0.45
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	6	0.45
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	13	0.45
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	12	0.45
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	12	0.45
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	12	0.45
(2,1100)	1:101:A:ARG:HG3	1:101:A:ARG:HA	12	0.45
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	8	0.45
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	13	0.45
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	13	0.45
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	13	0.45
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	2	0.45
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	3	0.45
(2,1085)	1:101:A:ARG:HB2	1:101:A:ARG:HG3	11	0.45
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	3	0.45
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	2	0.45
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	5	0.45
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	6	0.45
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	6	0.45
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	6	0.45
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	6	0.45
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	10	0.45
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	8	0.45
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	8	0.45
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	8	0.45
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	11	0.45
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	11	0.45
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	11	0.45
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	10	0.45
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	14	0.45
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	17	0.45
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	2	0.45
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	18	0.45
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	19	0.45
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	19	0.45
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	19	0.45
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	2	0.45
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	2	0.45
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	2	0.45
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	2	0.45
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	2	0.45
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	2	0.45
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	2	0.45
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	2	0.45
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	2	0.45
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	11	0.45
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	6	0.45
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	6	0.45
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	11	0.45
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	17	0.45
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	1	0.45
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	3	0.45
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	14	0.45
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	15	0.45
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	20	0.45
(2,819)	1:80:A:LYS:HA	1:80:A:LYS:HG2	17	0.45
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	14	0.45
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	11	0.45
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	11	0.45
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	11	0.45
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	14	0.45
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	14	0.45
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	14	0.45
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	8	0.45
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	8	0.45
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	8	0.45
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	4	0.45
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	4	0.45
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	4	0.45
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	4	0.45
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	4	0.45
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	4	0.45
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	4	0.45
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	4	0.45
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	4	0.45
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	5	0.45
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	5	0.45
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	5	0.45
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	12	0.45
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	14	0.45
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	16	0.45
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	20	0.45
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	12	0.45
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	12	0.45
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	12	0.45
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	5	0.45
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	12	0.45
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	12	0.45
(2,619)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	12	0.45
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	12	0.45
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	12	0.45
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	12	0.45
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	12	0.45
(2,619)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	12	0.45
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	17	0.45
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	17	0.45
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	17	0.45
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	5	0.45
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	8	0.45
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	16	0.45
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	20	0.45
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	3	0.45
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	1	0.45
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	9	0.45
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	9	0.45
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	9	0.45
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	9	0.45
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	9	0.45
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	9	0.45
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	9	0.45
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	9	0.45
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	9	0.45
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	8	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	1	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	1	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	1	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	2	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	2	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	2	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	19	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	19	0.45
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	19	0.45
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	5	0.45
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	19	0.45
(2,470)	1:60:A:GLU:HB2	1:60:A:GLU:HA	13	0.45
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	8	0.45
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	14	0.45
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	18	0.45
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	2	0.45
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	2	0.45
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	2	0.45
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	7	0.45
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	7	0.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	12	0.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	12	0.45
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	12	0.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	12	0.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	12	0.45
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	12	0.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	12	0.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	12	0.45
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	12	0.45
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	6	0.45
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	12	0.45
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	18	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	2	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	4	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	9	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	11	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	14	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	19	0.45
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	20	0.45
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	7	0.45
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	4	0.45
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD11	13	0.45
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD12	13	0.45
(2,362)	1:51:A:THR:HB	1:52:A:LEU:HD13	13	0.45
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	17	0.45
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	3	0.45
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	15	0.45
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	15	0.45
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	15	0.45
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	15	0.45
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	15	0.45
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	15	0.45
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	15	0.45
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	15	0.45
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	15	0.45
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	7	0.45
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	7	0.45
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	7	0.45
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	11	0.45
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	11	0.45
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	14	0.45
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	14	0.45
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	14	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	4	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	4	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	4	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	5	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	5	0.45
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	5	0.45
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	1	0.45
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	2	0.45
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	13	0.45
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	14	0.45
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	2	0.45
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	1	0.45
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	11	0.45
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	15	0.45
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	6	0.45
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	6	0.45
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	6	0.45
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	16	0.45
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	16	0.45
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	16	0.45
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	16	0.45
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	16	0.45
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	16	0.45
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	16	0.45
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	16	0.45
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	16	0.45
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	16	0.45
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	16	0.45
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	16	0.45
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	16	0.45
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	16	0.45
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	16	0.45
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	16	0.45
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	16	0.45
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	16	0.45
(2,53)	1:34:A:LEU:HA	1:34:A:LEU:HG	13	0.45
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	2	0.45
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	5	0.45
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	5	0.45
(1,1751)	1:83:A:ASP:H	1:84:A:LYS:HD2	9	0.45
(1,1295)	1:84:A:LYS:H	1:84:A:LYS:HD2	20	0.45
(1,1283)	1:44:A:LYS:H	1:44:A:LYS:HD2	14	0.45
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	3	0.45
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	13	0.45
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	4	0.45
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	9	0.45
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	9	0.45
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	9	0.45
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	9	0.45
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	9	0.45
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	9	0.45
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	9	0.45
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	9	0.45
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	9	0.45
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	15	0.45
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	16	0.45
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	8	0.45
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	13	0.45
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	9	0.45
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	9	0.45
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	9	0.45
(1,744)	1:104:A:LYS:HB2	1:76:A:LEU:HB2	17	0.45
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	9	0.45
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	3	0.45
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	19	0.45
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	3	0.45
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	12	0.45
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	1	0.45
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	7	0.45
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	11	0.45
(1,661)	1:99:A:PRO:HA	1:99:A:PRO:HB3	14	0.45
(1,615)	1:93:A:ALA:H	1:92:A:LYS:HB2	1	0.45
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	12	0.45
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	3	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	16	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	16	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	16	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	17	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	17	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	18	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	18	0.45
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	18	0.45
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	2	0.45
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	20	0.45
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	16	0.45
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	16	0.45
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	16	0.45
(1,69)	1:28:A:TRP:HB3	1:28:A:TRP:HA	12	0.45
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	10	0.44
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	9	0.44
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	3	0.44
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	3	0.44
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	3	0.44
(2,2810)	1:117:A:GLU:HB2	1:118:A:PHE:H	8	0.44
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	13	0.44
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	2	0.44
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	2	0.44
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	2	0.44
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	3	0.44
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	14	0.44
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	7	0.44
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	9	0.44
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	9	0.44
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	9	0.44
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	18	0.44
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	10	0.44
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	10	0.44
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	10	0.44
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	10	0.44
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	13	0.44
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	9	0.44
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	11	0.44
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	11	0.44
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	11	0.44
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	12	0.44
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	12	0.44
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	12	0.44
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	8	0.44
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	16	0.44
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	16	0.44
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	20	0.44
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	5	0.44
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	5	0.44
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	5	0.44
(2,2385)	1:65:A:SER:HB3	1:66:A:LEU:H	2	0.44
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	17	0.44
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	9	0.44
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	9	0.44
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	9	0.44
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	11	0.44
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	11	0.44
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	11	0.44
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	9	0.44
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	1	0.44
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	6	0.44
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	14	0.44
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	6	0.44
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	6	0.44
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	6	0.44
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	11	0.44
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	9	0.44
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	12	0.44
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	6	0.44
(2,2159)	1:27:A:ILE:HG21	1:29:A:SER:H	14	0.44
(2,2159)	1:27:A:ILE:HG22	1:29:A:SER:H	14	0.44
(2,2159)	1:27:A:ILE:HG23	1:29:A:SER:H	14	0.44
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	7	0.44
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	4	0.44
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	4	0.44
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	4	0.44
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	17	0.44
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	13	0.44
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	5	0.44
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	8	0.44
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	19	0.44
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	8	0.44
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	10	0.44
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	2	0.44
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	9	0.44
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	14	0.44
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	11	0.44
(2,2014)	1:33:A:LYS:HB2	1:33:A:LYS:H	6	0.44
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	9	0.44
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	11	0.44
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	12	0.44
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	12	0.44
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	12	0.44
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	20	0.44
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	2	0.44
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	17	0.44
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	20	0.44
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	13	0.44
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	17	0.44
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	10	0.44
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	11	0.44
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	11	0.44
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	11	0.44
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	14	0.44
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	8	0.44
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	7	0.44
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	8	0.44
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	11	0.44
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	1	0.44
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	14	0.44
(2,1768)	1:47:A:LEU:HD21	1:47:A:LEU:H	13	0.44
(2,1768)	1:47:A:LEU:HD22	1:47:A:LEU:H	13	0.44
(2,1768)	1:47:A:LEU:HD23	1:47:A:LEU:H	13	0.44
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	10	0.44
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	10	0.44
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	10	0.44
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	4	0.44
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	12	0.44
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	4	0.44
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	17	0.44
(2,1636)	1:62:A:ILE:H	1:61:A:ASP:H	9	0.44
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	2	0.44
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	12	0.44
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	18	0.44
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	5	0.44
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	6	0.44
(2,1523)	1:98:A:LEU:HD21	1:63:A:LEU:HB2	18	0.44
(2,1523)	1:98:A:LEU:HD22	1:63:A:LEU:HB2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1523)	1:98:A:LEU:HD23	1:63:A:LEU:HB2	18	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	1	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	1	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	1	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	1	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	1	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	1	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	1	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	1	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	1	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	5	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	5	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	5	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	5	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	5	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	5	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	5	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	5	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	5	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	6	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	6	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	6	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	6	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	6	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	6	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	6	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	6	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	6	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	9	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	9	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	9	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	9	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	9	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	9	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	9	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	9	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	9	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD21	12	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD22	12	0.44
(2,1509)	1:50:A:LEU:HD11	1:50:A:LEU:HD23	12	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD21	12	0.44
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD22	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:50:A:LEU:HD12	1:50:A:LEU:HD23	12	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD21	12	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD22	12	0.44
(2,1509)	1:50:A:LEU:HD13	1:50:A:LEU:HD23	12	0.44
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	5	0.44
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	5	0.44
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	5	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	9	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	9	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	9	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	17	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	17	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	17	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	20	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	20	0.44
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	20	0.44
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	4	0.44
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	7	0.44
(2,1464)	1:60:A:GLU:HB2	1:59:A:ILE:HB	13	0.44
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	19	0.44
(2,1431)	1:47:A:LEU:HD11	1:119:A:SER:HA	15	0.44
(2,1431)	1:47:A:LEU:HD12	1:119:A:SER:HA	15	0.44
(2,1431)	1:47:A:LEU:HD13	1:119:A:SER:HA	15	0.44
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	17	0.44
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	17	0.44
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	17	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	1	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	6	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	8	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	9	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	11	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	15	0.44
(2,1401)	1:117:A:GLU:HA	1:117:A:GLU:HB2	19	0.44
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	1	0.44
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	1	0.44
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	1	0.44
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	1	0.44
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	1	0.44
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	1	0.44
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	1	0.44
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	1	0.44
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	5	0.44
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	5	0.44
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	5	0.44
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	15	0.44
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	15	0.44
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	15	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	2	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	4	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	5	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	9	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	13	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	15	0.44
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	17	0.44
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	3	0.44
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	3	0.44
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	3	0.44
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	12	0.44
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	12	0.44
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	12	0.44
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	9	0.44
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	9	0.44
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	9	0.44
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	5	0.44
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	18	0.44
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	4	0.44
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	4	0.44
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	4	0.44
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	20	0.44
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	14	0.44
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	17	0.44
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	15	0.44
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	17	0.44
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	6	0.44
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	15	0.44
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	4	0.44
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	4	0.44
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	4	0.44
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	2	0.44
(2,1186)	1:104:A:LYS:HG3	1:104:A:LYS:H	8	0.44
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	15	0.44
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	15	0.44
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	10	0.44
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	13	0.44
(2,1115)	1:102:A:ILE:HD11	1:102:A:ILE:HA	6	0.44
(2,1115)	1:102:A:ILE:HD12	1:102:A:ILE:HA	6	0.44
(2,1115)	1:102:A:ILE:HD13	1:102:A:ILE:HA	6	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	1	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	4	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	5	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	6	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	7	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	11	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	14	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	16	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	17	0.44
(2,1098)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	20	0.44
(2,1073)	1:101:A:ARG:HB3	1:101:A:ARG:HA	9	0.44
(2,1072)	1:101:A:ARG:HB2	1:101:A:ARG:HA	11	0.44
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	18	0.44
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	18	0.44
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	18	0.44
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	17	0.44
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	17	0.44
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	17	0.44
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	8	0.44
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	17	0.44
(2,976)	1:96:A:LYS:HA	1:96:A:LYS:HG2	16	0.44
(2,960)	1:93:A:ALA:H	1:92:A:LYS:HB3	3	0.44
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	19	0.44
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	2	0.44
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	2	0.44
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	2	0.44
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	19	0.44
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	19	0.44
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	19	0.44
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	19	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	1	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	2	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	5	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	8	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	13	0.44
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	14	0.44
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD11	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD12	1	0.44
(2,880)	1:85:A:VAL:HG11	1:89:A:ILE:HD13	1	0.44
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD11	1	0.44
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD12	1	0.44
(2,880)	1:85:A:VAL:HG12	1:89:A:ILE:HD13	1	0.44
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD11	1	0.44
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD12	1	0.44
(2,880)	1:85:A:VAL:HG13	1:89:A:ILE:HD13	1	0.44
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	1	0.44
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	1	0.44
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	1	0.44
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	5	0.44
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	9	0.44
(2,841)	1:83:A:ASP:HA	1:86:A:LYS:HB2	3	0.44
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	14	0.44
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	14	0.44
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	14	0.44
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	5	0.44
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	15	0.44
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	7	0.44
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	7	0.44
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	7	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	2	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	3	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	4	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	5	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	8	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	9	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	11	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	15	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	17	0.44
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	18	0.44
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	5	0.44
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	5	0.44
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	5	0.44
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	1	0.44
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	1	0.44
(2,682)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	1	0.44
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	16	0.44
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	16	0.44
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	16	0.44
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	19	0.44
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	19	0.44
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	3	0.44
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	3	0.44
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	3	0.44
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	6	0.44
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	3	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	1	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	6	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	7	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	12	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	13	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	15	0.44
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	18	0.44
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	9	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	10	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	10	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	10	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	10	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	10	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	10	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	10	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	10	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	10	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	19	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	19	0.44
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	19	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	19	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	19	0.44
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	19	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	19	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	19	0.44
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	19	0.44
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	1	0.44
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	12	0.44
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	12	0.44
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	12	0.44
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	15	0.44
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	9	0.44
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	15	0.44
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	13	0.44
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	19	0.44
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	6	0.44
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	6	0.44
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	6	0.44
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	15	0.44
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	1	0.44
(2,421)	1:57:A:LYS:HA	1:57:A:LYS:HD2	5	0.44
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	15	0.44
(2,384)	1:117:A:GLU:H	1:117:A:GLU:HG2	9	0.44
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	1	0.44
(2,377)	1:53:A:GLU:HA	1:53:A:GLU:HB2	3	0.44
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	19	0.44
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	19	0.44
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	19	0.44
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	6	0.44
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	8	0.44
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	13	0.44
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	20	0.44
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	20	0.44
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	20	0.44
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	3	0.44
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	8	0.44
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	17	0.44
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	5	0.44
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	9	0.44
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	12	0.44
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	10	0.44
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	10	0.44
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	10	0.44
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	19	0.44
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	19	0.44
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	19	0.44
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	20	0.44
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	5	0.44
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	19	0.44
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	16	0.44
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	6	0.44
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	6	0.44
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	6	0.44
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	10	0.44
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	10	0.44
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB1	1	0.44
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB2	1	0.44
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB3	1	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB1	1	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB2	1	0.44
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB3	1	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB1	1	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB2	1	0.44
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB3	1	0.44
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	6	0.44
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	6	0.44
(2,187)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	6	0.44
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	13	0.44
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	13	0.44
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	13	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	13	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	13	0.44
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	13	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	13	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	13	0.44
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	13	0.44
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	11	0.44
(2,169)	1:34:A:LEU:HA	1:108:A:PRO:HB2	9	0.44
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	3	0.44
(2,154)	1:32:A:LYS:HA	1:32:A:LYS:HG2	2	0.44
(2,145)	1:31:A:ASP:HB2	1:31:A:ASP:H	17	0.44
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	20	0.44
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	13	0.44
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	13	0.44
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	13	0.44
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	13	0.44
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	13	0.44
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	13	0.44
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	13	0.44
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	13	0.44
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	13	0.44
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	11	0.44
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	11	0.44
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	11	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	11	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	11	0.44
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	11	0.44
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	11	0.44
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	11	0.44
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	15	0.44
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	15	0.44
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	15	0.44
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	6	0.44
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	6	0.44
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	6	0.44
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	6	0.44
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	6	0.44
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	6	0.44
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	6	0.44
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	6	0.44
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	6	0.44
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	19	0.44
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	19	0.44
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	19	0.44
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	2	0.44
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	13	0.44
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	15	0.44
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	15	0.44
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	13	0.44
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	18	0.44
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	2	0.44
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	12	0.44
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	15	0.44
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	7	0.44
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	10	0.44
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	15	0.44
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	14	0.44
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	14	0.44
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	14	0.44
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	14	0.44
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	14	0.44
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	14	0.44
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	14	0.44
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	14	0.44
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	14	0.44
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	11	0.44
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	19	0.44
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	20	0.44
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	1	0.44
(1,625)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	9	0.44
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	9	0.44
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	20	0.44
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	20	0.44
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	20	0.44
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	12	0.44
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	12	0.44
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	12	0.44
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	3	0.44
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	16	0.44
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	12	0.44
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	12	0.44
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	14	0.44
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	14	0.44
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	14	0.44
(1,67)	1:28:A:TRP:HA	1:35:A:ILE:HG12	5	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	16	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	16	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	16	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	20	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	20	0.44
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	20	0.44
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	6	0.44
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	6	0.44
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	6	0.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	2	0.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	2	0.44
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	2	0.44
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	5	0.43
(2,2737)	1:108:A:PRO:HB3	1:112:A:LYS:H	9	0.43
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	19	0.43
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	19	0.43
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	19	0.43
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	10	0.43
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	13	0.43
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	20	0.43
(2,2592)	1:91:A:LYS:H	1:89:A:ILE:HB	7	0.43
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	11	0.43
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	4	0.43
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	4	0.43
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	8	0.43
(2,2489)	1:77:A:GLU:H	1:28:A:TRP:HZ3	13	0.43
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	5	0.43
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	5	0.43
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	5	0.43
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	11	0.43
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	11	0.43
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	11	0.43
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	14	0.43
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	14	0.43
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	14	0.43
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	1	0.43
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	17	0.43
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	17	0.43
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	17	0.43
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	16	0.43
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	12	0.43
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	10	0.43
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	1	0.43
(2,2285)	1:42:A:ALA:H	1:47:A:LEU:HG	7	0.43
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	15	0.43
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	15	0.43
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	15	0.43
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	17	0.43
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	5	0.43
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	5	0.43
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	17	0.43
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	17	0.43
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	11	0.43
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	11	0.43
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	11	0.43
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	15	0.43
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	15	0.43
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	15	0.43
(2,2082)	1:94:A:ARG:H	1:94:A:ARG:HG3	19	0.43
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	4	0.43
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	5	0.43
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	6	0.43
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	20	0.43
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	19	0.43
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	14	0.43
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	18	0.43
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	20	0.43
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	1	0.43
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	20	0.43
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	3	0.43
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	6	0.43
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	13	0.43
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	20	0.43
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	7	0.43
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	1	0.43
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	11	0.43
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	19	0.43
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	3	0.43
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	8	0.43
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	17	0.43
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	17	0.43
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	17	0.43
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG21	20	0.43
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG22	20	0.43
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG23	20	0.43
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	1	0.43
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	6	0.43
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	17	0.43
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	17	0.43
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	17	0.43
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	5	0.43
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	6	0.43
(2,1796)	1:63:A:LEU:H	1:63:A:LEU:HG	8	0.43
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	9	0.43
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	1	0.43
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	2	0.43
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	9	0.43
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	2	0.43
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	2	0.43
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	2	0.43
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	1	0.43
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	3	0.43
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	13	0.43
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	15	0.43
(2,1550)	1:116:A:LYS:HB3	1:116:A:LYS:HG2	18	0.43
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	9	0.43
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	19	0.43
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	19	0.43
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	19	0.43
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	15	0.43
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	15	0.43
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	15	0.43
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	17	0.43
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	17	0.43
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	17	0.43
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	16	0.43
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	16	0.43
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	16	0.43
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	16	0.43
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	16	0.43
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	16	0.43
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	16	0.43
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	16	0.43
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	16	0.43
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	5	0.43
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	16	0.43
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	8	0.43
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	8	0.43
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	8	0.43
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	8	0.43
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	8	0.43
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	8	0.43
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	1	0.43
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	1	0.43
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	1	0.43
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	8	0.43
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	8	0.43
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	8	0.43
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	12	0.43
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	12	0.43
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	12	0.43
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	5	0.43
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	5	0.43
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	5	0.43
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	3	0.43
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	6	0.43
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	6	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	1	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	3	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	4	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	5	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	6	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	7	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	8	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	9	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	10	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	12	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	13	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	15	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	16	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	17	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	18	0.43
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	19	0.43
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	11	0.43
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	1	0.43
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	19	0.43
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	9	0.43
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	16	0.43
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	7	0.43
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	3	0.43
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	17	0.43
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	17	0.43
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	17	0.43
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	8	0.43
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	6	0.43
(2,1231)	1:107:A:SER:HB3	1:107:A:SER:HA	15	0.43
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	9	0.43
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	10	0.43
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	10	0.43
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	10	0.43
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	3	0.43
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	4	0.43
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	15	0.43
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	20	0.43
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	12	0.43
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	9	0.43
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	15	0.43
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	18	0.43
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	3	0.43
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	3	0.43
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	3	0.43
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	7	0.43
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	16	0.43
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	1	0.43
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	10	0.43
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	4	0.43
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	11	0.43
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	17	0.43
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	18	0.43
(2,898)	1:86:A:LYS:HA	1:86:A:LYS:H	20	0.43
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	11	0.43
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	15	0.43
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	2	0.43
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	2	0.43
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	2	0.43
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	9	0.43
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	4	0.43
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	8	0.43
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	16	0.43
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	18	0.43
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	18	0.43
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	18	0.43
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	18	0.43
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	10	0.43
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	18	0.43
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	19	0.43
(2,800)	1:77:A:GLU:HA	1:77:A:GLU:HG3	18	0.43
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	8	0.43
(2,794)	1:29:A:SER:HA	1:77:A:GLU:HB2	13	0.43
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	12	0.43
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	14	0.43
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	14	0.43
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	14	0.43
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	15	0.43
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	15	0.43
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	15	0.43
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	17	0.43
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	17	0.43
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	2	0.43
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	1	0.43
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	7	0.43
(2,717)	1:74:A:VAL:H	1:74:A:VAL:HA	13	0.43
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	6	0.43
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	10	0.43
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	10	0.43
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	10	0.43
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	6	0.43
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	6	0.43
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	6	0.43
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	6	0.43
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	6	0.43
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	6	0.43
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	12	0.43
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	3	0.43
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	13	0.43
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	10	0.43
(2,570)	1:68:A:PRO:HD2	1:68:A:PRO:HG2	19	0.43
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	2	0.43
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	14	0.43
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	19	0.43
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	17	0.43
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	11	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	4	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	4	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	4	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	5	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	5	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	5	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	6	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	6	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	6	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	7	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	7	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	7	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	17	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	17	0.43
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	17	0.43
(2,472)	1:62:A:ILE:H	1:62:A:ILE:HA	3	0.43
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	19	0.43
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	19	0.43
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	19	0.43
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	19	0.43
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	19	0.43
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	19	0.43
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	19	0.43
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	19	0.43
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	1	0.43
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	1	0.43
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	1	0.43
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	1	0.43
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	13	0.43
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	19	0.43
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	6	0.43
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	6	0.43
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	6	0.43
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	4	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	2	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	4	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	5	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	7	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	9	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	14	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	15	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	16	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	18	0.43
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	19	0.43
(2,296)	1:43:A:GLU:HA	1:43:A:GLU:HG2	12	0.43
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	3	0.43
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	3	0.43
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	3	0.43
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	10	0.43
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	8	0.43
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	19	0.43
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	3	0.43
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	8	0.43
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	17	0.43
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	18	0.43
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	5	0.43
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	5	0.43
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	5	0.43
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	7	0.43
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	7	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	7	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	7	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	7	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	7	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	7	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	7	0.43
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	11	0.43
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	11	0.43
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	11	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	11	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	11	0.43
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	11	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	11	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	11	0.43
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	11	0.43
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	12	0.43
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	12	0.43
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	12	0.43
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	12	0.43
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	12	0.43
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	12	0.43
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	6	0.43
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	18	0.43
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	5	0.43
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	6	0.43
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	10	0.43
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	12	0.43
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	19	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	12	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	12	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	12	0.43
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	12	0.43
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	12	0.43
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	12	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	12	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	12	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	12	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	20	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	20	0.43
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	20	0.43
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	20	0.43
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	20	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	20	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	20	0.43
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	20	0.43
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	6	0.43
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	6	0.43
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	6	0.43
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	6	0.43
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	6	0.43
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	6	0.43
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	6	0.43
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	6	0.43
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	6	0.43
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	12	0.43
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	12	0.43
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	12	0.43
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	15	0.43
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	15	0.43
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	15	0.43
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	20	0.43
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	3	0.43
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	3	0.43
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	3	0.43
(1,2184)	1:77:A:GLU:H	1:28:A:TRP:HB3	12	0.43
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	11	0.43
(1,1376)	1:82:A:ALA:H	1:80:A:LYS:HG2	10	0.43
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	17	0.43
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	5	0.43
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	17	0.43
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	4	0.43
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	16	0.43
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	4	0.43
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	10	0.43
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	8	0.43
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	10	0.43
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	2	0.43
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	4	0.43
(1,471)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	8	0.43
(1,471)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	8	0.43
(1,471)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	8	0.43
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	8	0.43
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	8	0.43
(1,391)	1:70:A:VAL:HG11	1:72:A:ILE:HD11	14	0.43
(1,391)	1:70:A:VAL:HG11	1:72:A:ILE:HD12	14	0.43
(1,391)	1:70:A:VAL:HG11	1:72:A:ILE:HD13	14	0.43
(1,391)	1:70:A:VAL:HG12	1:72:A:ILE:HD11	14	0.43
(1,391)	1:70:A:VAL:HG12	1:72:A:ILE:HD12	14	0.43
(1,391)	1:70:A:VAL:HG12	1:72:A:ILE:HD13	14	0.43
(1,391)	1:70:A:VAL:HG13	1:72:A:ILE:HD11	14	0.43
(1,391)	1:70:A:VAL:HG13	1:72:A:ILE:HD12	14	0.43
(1,391)	1:70:A:VAL:HG13	1:72:A:ILE:HD13	14	0.43
(1,344)	1:66:A:LEU:HB2	1:66:A:LEU:HA	7	0.43
(1,287)	1:90:A:GLU:H	1:90:A:GLU:HB3	16	0.43
(1,111)	1:34:A:LEU:HD11	1:108:A:PRO:HA	19	0.43
(1,111)	1:34:A:LEU:HD12	1:108:A:PRO:HA	19	0.43
(1,111)	1:34:A:LEU:HD13	1:108:A:PRO:HA	19	0.43
(1,73)	1:35:A:ILE:HD11	1:29:A:SER:HB2	14	0.43
(1,73)	1:35:A:ILE:HD12	1:29:A:SER:HB2	14	0.43
(1,73)	1:35:A:ILE:HD13	1:29:A:SER:HB2	14	0.43
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	5	0.42
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	5	0.42
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	5	0.42
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	9	0.42
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	9	0.42
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	9	0.42
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	7	0.42
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	7	0.42
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	7	0.42
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	18	0.42
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	6	0.42
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	10	0.42
(2,2769)	1:115:A:ILE:HD11	1:114:A:TRP:H	17	0.42
(2,2769)	1:115:A:ILE:HD12	1:114:A:TRP:H	17	0.42
(2,2769)	1:115:A:ILE:HD13	1:114:A:TRP:H	17	0.42
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	18	0.42
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	13	0.42
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	13	0.42
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	13	0.42
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	15	0.42
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	15	0.42
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	2	0.42
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	17	0.42
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	17	0.42
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	17	0.42
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	15	0.42
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	1	0.42
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	6	0.42
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	6	0.42
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	6	0.42
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	12	0.42
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	12	0.42
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	12	0.42
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	1	0.42
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	11	0.42
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	1	0.42
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	12	0.42
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	1	0.42
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	1	0.42
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	1	0.42
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	4	0.42
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	4	0.42
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	4	0.42
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	5	0.42
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	5	0.42
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	5	0.42
(2,2393)	1:66:A:LEU:HB3	1:67:A:GLY:H	17	0.42
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	15	0.42
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	17	0.42
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	10	0.42
(2,2350)	1:51:A:THR:HG1	1:52:A:LEU:H	12	0.42
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	20	0.42
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	8	0.42
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	8	0.42
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	8	0.42
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	2	0.42
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	2	0.42
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	2	0.42
(2,2236)	1:111:A:ALA:HB1	1:38:A:ALA:H	10	0.42
(2,2236)	1:111:A:ALA:HB2	1:38:A:ALA:H	10	0.42
(2,2236)	1:111:A:ALA:HB3	1:38:A:ALA:H	10	0.42
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	2	0.42
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	13	0.42
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	7	0.42
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	7	0.42
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	7	0.42
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	16	0.42
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	8	0.42
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	15	0.42
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	3	0.42
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	3	0.42
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	3	0.42
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	1	0.42
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	20	0.42
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	2	0.42
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	1	0.42
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	14	0.42
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	3	0.42
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	15	0.42
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	8	0.42
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	12	0.42
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	13	0.42
(2,2022)	1:40:A:LYS:HB2	1:40:A:LYS:H	18	0.42
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	7	0.42
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	20	0.42
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	10	0.42
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	11	0.42
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	16	0.42
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	9	0.42
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	10	0.42
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	17	0.42
(2,1867)	1:101:A:ARG:H	1:101:A:ARG:HG3	18	0.42
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	20	0.42
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	20	0.42
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	20	0.42
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	3	0.42
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	6	0.42
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	2	0.42
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	9	0.42
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	13	0.42
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	16	0.42
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	9	0.42
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	16	0.42
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	17	0.42
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	10	0.42
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	18	0.42
(2,1575)	1:74:A:VAL:H	1:101:A:ARG:H	19	0.42
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	4	0.42
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	17	0.42
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	14	0.42
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	6	0.42
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	19	0.42
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	19	0.42
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	19	0.42
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	7	0.42
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	7	0.42
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	7	0.42
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	11	0.42
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	11	0.42
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	11	0.42
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	13	0.42
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	13	0.42
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	13	0.42
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	18	0.42
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	18	0.42
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	18	0.42
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	16	0.42
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	16	0.42
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	16	0.42
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	6	0.42
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	7	0.42
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	14	0.42
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	16	0.42
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	2	0.42
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	11	0.42
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	14	0.42
(2,1345)	1:113:A:ARG:HD2	1:113:A:ARG:HD3	20	0.42
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	5	0.42
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	8	0.42
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	10	0.42
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	17	0.42
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	18	0.42
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	11	0.42
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	12	0.42
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	2	0.42
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	4	0.42
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	2	0.42
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	17	0.42
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	3	0.42
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	15	0.42
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	13	0.42
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	13	0.42
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	13	0.42
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	9	0.42
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	9	0.42
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	9	0.42
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	2	0.42
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	2	0.42
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	2	0.42
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	19	0.42
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	19	0.42
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	19	0.42
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	11	0.42
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	18	0.42
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	17	0.42
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	10	0.42
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	10	0.42
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	10	0.42
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	10	0.42
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	10	0.42
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	10	0.42
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	10	0.42
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	10	0.42
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	10	0.42
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	2	0.42
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	18	0.42
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	4	0.42
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	4	0.42
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	4	0.42
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	18	0.42
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	9	0.42
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	14	0.42
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	8	0.42
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	8	0.42
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	8	0.42
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	11	0.42
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	14	0.42
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	17	0.42
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	10	0.42
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	15	0.42
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	15	0.42
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	15	0.42
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	4	0.42
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	5	0.42
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	11	0.42
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	4	0.42
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	9	0.42
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	16	0.42
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	1	0.42
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	16	0.42
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	14	0.42
(2,791)	1:77:A:GLU:HA	1:104:A:LYS:HA	1	0.42
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	11	0.42
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	11	0.42
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	11	0.42
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	6	0.42
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	6	0.42
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	6	0.42
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	12	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	13	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	13	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	13	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	13	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	13	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	13	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	17	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	17	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	17	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	17	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	17	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	17	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	20	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	20	0.42
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	20	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	20	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	20	0.42
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	16	0.42
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	16	0.42
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	16	0.42
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	2	0.42
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	11	0.42
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	11	0.42
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	11	0.42
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	17	0.42
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	2	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	1	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	6	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	10	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	12	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	15	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	18	0.42
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	19	0.42
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	11	0.42
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	8	0.42
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	5	0.42
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	5	0.42
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	5	0.42
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD21	8	0.42
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD22	8	0.42
(2,512)	1:24:A:LEU:HB3	1:63:A:LEU:HD23	8	0.42
(2,497)	1:66:A:LEU:HG	1:63:A:LEU:HA	7	0.42
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	5	0.42
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	2	0.42
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	12	0.42
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	9	0.42
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	13	0.42
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	14	0.42
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	19	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	1	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	3	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	10	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	11	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	12	0.42
(2,351)	1:50:A:LEU:HA	1:50:A:LEU:HB2	20	0.42
(2,317)	1:46:A:ASN:HA	1:46:A:ASN:HB3	8	0.42
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	4	0.42
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	8	0.42
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	8	0.42
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	15	0.42
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	15	0.42
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	15	0.42
(2,265)	1:41:A:MET:HA	1:41:A:MET:HG2	14	0.42
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	1	0.42
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	6	0.42
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	10	0.42
(2,253)	1:94:A:ARG:HA	1:94:A:ARG:HB2	12	0.42
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	20	0.42
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	20	0.42
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	20	0.42
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	19	0.42
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	19	0.42
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	19	0.42
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	7	0.42
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	7	0.42
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	7	0.42
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	12	0.42
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	16	0.42
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	13	0.42
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	2	0.42
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	16	0.42
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	13	0.42
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	13	0.42
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	13	0.42
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	1	0.42
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	1	0.42
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	1	0.42
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	2	0.42
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	2	0.42
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	2	0.42
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	8	0.42
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	8	0.42
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	8	0.42
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	15	0.42
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	15	0.42
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	15	0.42
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	15	0.42
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	15	0.42
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	15	0.42
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	15	0.42
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	15	0.42
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	18	0.42
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	18	0.42
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	18	0.42
(1,1751)	1:83:A:ASP:H	1:84:A:LYS:HD2	10	0.42
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	12	0.42
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD11	19	0.42
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD12	19	0.42
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD13	19	0.42
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	1	0.42
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	5	0.42
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	15	0.42
(1,1490)	1:115:A:ILE:H	1:41:A:MET:HG2	4	0.42
(1,1479)	1:105:A:VAL:H	1:76:A:LEU:HB2	16	0.42
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	11	0.42
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	20	0.42
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	5	0.42
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	5	0.42
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	5	0.42
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	13	0.42
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	7	0.42
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	7	0.42
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	7	0.42
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	13	0.42
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	13	0.42
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	13	0.42
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	13	0.42
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	13	0.42
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	13	0.42
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	13	0.42
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	13	0.42
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	13	0.42
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	3	0.42
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	7	0.42
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	19	0.42
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	8	0.42
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	8	0.42
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	8	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	8	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	8	0.42
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	8	0.42
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	8	0.42
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	8	0.42
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	20	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	3	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	10	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	11	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	13	0.42
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	15	0.42
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	13	0.42
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	1	0.42
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	7	0.42
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	10	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	4	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	6	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	10	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	11	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	12	0.42
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	15	0.42
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	10	0.42
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	5	0.42
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	7	0.42
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	1	0.42
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	17	0.42
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	1	0.42
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	1	0.42
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	1	0.42
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	11	0.42
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	11	0.42
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	11	0.42
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	14	0.42
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	0.42
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	0.42
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	0.42
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	5	0.42
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	5	0.42
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	5	0.42
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	15	0.42
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	5	0.42
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	7	0.42
(1,168)	1:112:A:LYS:HB2	1:41:A:MET:HG3	16	0.42
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	17	0.42
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	17	0.42
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	18	0.42
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	18	0.42
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	18	0.42
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	19	0.41
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	19	0.41
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	19	0.41
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	20	0.41
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	4	0.41
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	11	0.41
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	4	0.41
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	17	0.41
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	14	0.41
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	15	0.41
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	15	0.41
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	15	0.41
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	10	0.41
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	3	0.41
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	3	0.41
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	3	0.41
(2,2489)	1:77:A:GLU:H	1:28:A:TRP:HZ3	7	0.41
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	8	0.41
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	13	0.41
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	2	0.41
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	2	0.41
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	2	0.41
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	15	0.41
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	15	0.41
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	15	0.41
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	11	0.41
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	14	0.41
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	18	0.41
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	18	0.41
(2,2409)	1:70:A:VAL:HG21	1:71:A:LYS:H	14	0.41
(2,2409)	1:70:A:VAL:HG22	1:71:A:LYS:H	14	0.41
(2,2409)	1:70:A:VAL:HG23	1:71:A:LYS:H	14	0.41
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	15	0.41
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	3	0.41
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	3	0.41
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	3	0.41
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	6	0.41
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	19	0.41
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	5	0.41
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	5	0.41
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	5	0.41
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	3	0.41
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	20	0.41
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	6	0.41
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	13	0.41
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	13	0.41
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	13	0.41
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	13	0.41
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	5	0.41
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	2	0.41
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	5	0.41
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	8	0.41
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	9	0.41
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	6	0.41
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	11	0.41
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	12	0.41
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	9	0.41
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	19	0.41
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	6	0.41
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	13	0.41
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	13	0.41
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	14	0.41
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	18	0.41
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	5	0.41
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	12	0.41
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	17	0.41
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	13	0.41
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	4	0.41
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	4	0.41
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	11	0.41
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	14	0.41
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	15	0.41
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	14	0.41
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	1	0.41
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	20	0.41
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	7	0.41
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	9	0.41
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	7	0.41
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	19	0.41
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	9	0.41
(2,1868)	1:101:A:ARG:H	1:101:A:ARG:HD2	19	0.41
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	4	0.41
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	9	0.41
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	20	0.41
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	20	0.41
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	20	0.41
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	8	0.41
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	20	0.41
(2,1610)	1:96:A:LYS:H	1:95:A:LYS:H	1	0.41
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	1	0.41
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	20	0.41
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	15	0.41
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	2	0.41
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	2	0.41
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	2	0.41
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	18	0.41
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	18	0.41
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	18	0.41
(2,1446)	1:120:A:GLU:HB2	1:120:A:GLU:HA	12	0.41
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	8	0.41
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	7	0.41
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	7	0.41
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	7	0.41
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	5	0.41
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	5	0.41
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	5	0.41
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	4	0.41
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	4	0.41
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	4	0.41
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	6	0.41
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	6	0.41
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	6	0.41
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	16	0.41
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	16	0.41
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	16	0.41
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	3	0.41
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	12	0.41
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	18	0.41
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	18	0.41
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	18	0.41
(2,1360)	1:115:A:ILE:H	1:115:A:ILE:HA	19	0.41
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	8	0.41
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	4	0.41
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	3	0.41
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	4	0.41
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	6	0.41
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	12	0.41
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	7	0.41
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	10	0.41
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	13	0.41
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	18	0.41
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	20	0.41
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	7	0.41
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	8	0.41
(2,1289)	1:110:A:GLU:HB3	1:111:A:ALA:H	6	0.41
(2,1278)	1:110:A:GLU:H	1:110:A:GLU:HA	18	0.41
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	14	0.41
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	8	0.41
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	11	0.41
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	19	0.41
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	9	0.41
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	17	0.41
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	2	0.41
(2,1232)	1:107:A:SER:HB3	1:106:A:THR:HA	6	0.41
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	11	0.41
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	11	0.41
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	11	0.41
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	11	0.41
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	15	0.41
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	15	0.41
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	15	0.41
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	10	0.41
(2,1099)	1:101:A:ARG:HG2	1:101:A:ARG:HA	3	0.41
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	1	0.41
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	8	0.41
(2,1058)	1:100:A:VAL:HA	1:100:A:VAL:HB	15	0.41
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	5	0.41
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	17	0.41
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	5	0.41
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	15	0.41
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	19	0.41
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	10	0.41
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	12	0.41
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	12	0.41
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	12	0.41
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	10	0.41
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	8	0.41
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	8	0.41
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	8	0.41
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	1	0.41
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	14	0.41
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	14	0.41
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	14	0.41
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	7	0.41
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	10	0.41
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	1	0.41
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	9	0.41
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	2	0.41
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	5	0.41
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	20	0.41
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	4	0.41
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	9	0.41
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	6	0.41
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	6	0.41
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	6	0.41
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	6	0.41
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	6	0.41
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	6	0.41
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	6	0.41
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	6	0.41
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	6	0.41
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	6	0.41
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	14	0.41
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	2	0.41
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	2	0.41
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	2	0.41
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	9	0.41
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	9	0.41
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	9	0.41
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	15	0.41
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	15	0.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	15	0.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	15	0.41
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	15	0.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	15	0.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	15	0.41
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	15	0.41
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	16	0.41
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	16	0.41
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	16	0.41
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	12	0.41
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	16	0.41
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	16	0.41
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	16	0.41
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	12	0.41
(2,577)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	7	0.41
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	3	0.41
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	4	0.41
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	3	0.41
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	16	0.41
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	7	0.41
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	13	0.41
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	15	0.41
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	16	0.41
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	3	0.41
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	3	0.41
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	3	0.41
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	12	0.41
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	12	0.41
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	12	0.41
(2,502)	1:63:A:LEU:HB2	1:63:A:LEU:H	17	0.41
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	16	0.41
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	16	0.41
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	16	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	10	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	10	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	10	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	15	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	15	0.41
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	15	0.41
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	4	0.41
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	20	0.41
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	20	0.41
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	20	0.41
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	2	0.41
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	2	0.41
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	2	0.41
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	2	0.41
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	2	0.41
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	2	0.41
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	2	0.41
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	2	0.41
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	2	0.41
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	17	0.41
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	20	0.41
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	8	0.41
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	18	0.41
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	14	0.41
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	10	0.41
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	4	0.41
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	17	0.41
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	17	0.41
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	17	0.41
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	17	0.41
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	10	0.41
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	6	0.41
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	6	0.41
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	6	0.41
(2,337)	1:26:A:LEU:HD21	1:49:A:LEU:HA	16	0.41
(2,337)	1:26:A:LEU:HD22	1:49:A:LEU:HA	16	0.41
(2,337)	1:26:A:LEU:HD23	1:49:A:LEU:HA	16	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	8	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	8	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	8	0.41
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	8	0.41
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	8	0.41
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	8	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	8	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	8	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	8	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	16	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	16	0.41
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	16	0.41
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	16	0.41
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	16	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	16	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	16	0.41
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	16	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	5	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	6	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	7	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	9	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	16	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	18	0.41
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	19	0.41
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	5	0.41
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	16	0.41
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	17	0.41
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	17	0.41
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	17	0.41
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	14	0.41
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	14	0.41
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	14	0.41
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	6	0.41
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	14	0.41
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	7	0.41
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	18	0.41
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	19	0.41
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	3	0.41
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	3	0.41
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	3	0.41
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	1	0.41
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	1	0.41
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	1	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	13	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	13	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	13	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	13	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	13	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	13	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	13	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	13	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	13	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	17	0.41
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	17	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	17	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	17	0.41
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	17	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	17	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	17	0.41
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	17	0.41
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	12	0.41
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	18	0.41
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	18	0.41
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	18	0.41
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	1	0.41
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	1	0.41
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	1	0.41
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	1	0.41
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	1	0.41
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	1	0.41
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	1	0.41
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	1	0.41
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	1	0.41
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD11	2	0.41
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD12	2	0.41
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD13	2	0.41
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	4	0.41
(1,1522)	1:33:A:LYS:H	1:34:A:LEU:HB3	9	0.41
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	18	0.41
(1,1191)	1:116:A:LYS:H	1:117:A:GLU:HG3	16	0.41
(1,1040)	1:113:A:ARG:H	1:112:A:LYS:HE3	9	0.41
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	7	0.41
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	11	0.41
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	7	0.41
(1,986)	1:113:A:ARG:HG2	1:113:A:ARG:HD2	2	0.41
(1,986)	1:113:A:ARG:HG2	1:113:A:ARG:HD2	14	0.41
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	18	0.41
(1,822)	1:110:A:GLU:H	1:110:A:GLU:HB3	18	0.41
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	17	0.41
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	14	0.41
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	17	0.41
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	2	0.41
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	5	0.41
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	9	0.41
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	16	0.41
(1,711)	1:102:A:ILE:HD11	1:86:A:LYS:HG2	3	0.41
(1,711)	1:102:A:ILE:HD12	1:86:A:LYS:HG2	3	0.41
(1,711)	1:102:A:ILE:HD13	1:86:A:LYS:HG2	3	0.41
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD21	7	0.41
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD22	7	0.41
(1,710)	1:102:A:ILE:HB	1:76:A:LEU:HD23	7	0.41
(1,696)	1:101:A:ARG:HB3	1:101:A:ARG:HD2	13	0.41
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	15	0.41
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	15	0.41
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	15	0.41
(1,625)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	10	0.41
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	13	0.41
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	6	0.41
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	7	0.41
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	10	0.41
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	10	0.41
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	10	0.41
(1,465)	1:75:A:LEU:H	1:75:A:LEU:HB3	19	0.41
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	16	0.41
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	16	0.41
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	16	0.41
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD21	15	0.41
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD22	15	0.41
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD23	15	0.41
(1,298)	1:115:A:ILE:HG21	1:41:A:MET:HG3	11	0.41
(1,298)	1:115:A:ILE:HG22	1:41:A:MET:HG3	11	0.41
(1,298)	1:115:A:ILE:HG23	1:41:A:MET:HG3	11	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	5	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	5	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	5	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	6	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	6	0.41
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	6	0.41
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	6	0.41
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	6	0.41
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	6	0.41
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	2	0.4
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	2	0.4
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	2	0.4
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	17	0.4
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	17	0.4
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	17	0.4
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	12	0.4
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	1	0.4
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	6	0.4
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	6	0.4
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	6	0.4
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	14	0.4
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	14	0.4
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	14	0.4
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	13	0.4
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	18	0.4
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	2	0.4
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	5	0.4
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	14	0.4
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	20	0.4
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	10	0.4
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	10	0.4
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	10	0.4
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	17	0.4
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	17	0.4
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	17	0.4
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	7	0.4
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	3	0.4
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	7	0.4
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	18	0.4
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	19	0.4
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	5	0.4
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	17	0.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD11	12	0.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD12	12	0.4
(2,2366)	1:61:A:ASP:H	1:63:A:LEU:HD13	12	0.4
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	6	0.4
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	11	0.4
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	18	0.4
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	18	0.4
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	18	0.4
(2,2300)	1:43:A:GLU:HG2	1:44:A:LYS:H	12	0.4
(2,2300)	1:43:A:GLU:HG2	1:44:A:LYS:H	18	0.4
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	20	0.4
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	15	0.4
(2,2161)	1:29:A:SER:H	1:77:A:GLU:HB2	7	0.4
(2,2097)	1:87:A:LYS:H	1:87:A:LYS:HB2	11	0.4
(2,2097)	1:87:A:LYS:H	1:87:A:LYS:HB2	20	0.4
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	6	0.4
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	8	0.4
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	18	0.4
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	4	0.4
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	18	0.4
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	1	0.4
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	4	0.4
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	8	0.4
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	10	0.4
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	20	0.4
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	6	0.4
(2,2021)	1:40:A:LYS:HB3	1:40:A:LYS:H	15	0.4
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	8	0.4
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	4	0.4
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	17	0.4
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	8	0.4
(2,1969)	1:116:A:LYS:H	1:116:A:LYS:HD3	7	0.4
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	11	0.4
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	17	0.4
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	4	0.4
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	19	0.4
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	15	0.4
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	19	0.4
(2,1949)	1:91:A:LYS:H	1:91:A:LYS:HG3	16	0.4
(2,1933)	1:57:A:LYS:HA	1:57:A:LYS:H	1	0.4
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	12	0.4
(2,1894)	1:106:A:THR:HG1	1:106:A:THR:H	6	0.4
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	11	0.4
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	6	0.4
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	5	0.4
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	15	0.4
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	15	0.4
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	15	0.4
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	5	0.4
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	5	0.4
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	5	0.4
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	13	0.4
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	13	0.4
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	2	0.4
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	9	0.4
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	10	0.4
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	10	0.4
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	10	0.4
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	18	0.4
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	18	0.4
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	18	0.4
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	3	0.4
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	2	0.4
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	6	0.4
(2,1801)	1:65:A:SER:HB2	1:65:A:SER:H	18	0.4
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	11	0.4
(2,1788)	1:62:A:ILE:H	1:62:A:ILE:HB	18	0.4
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	4	0.4
(2,1708)	1:57:A:LYS:H	1:58:A:LYS:H	2	0.4
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	4	0.4
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	6	0.4
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	6	0.4
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	10	0.4
(2,1555)	1:92:A:LYS:H	1:91:A:LYS:HB3	11	0.4
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	4	0.4
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	17	0.4
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	17	0.4
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	17	0.4
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	17	0.4
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	17	0.4
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	17	0.4
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	17	0.4
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	17	0.4
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	17	0.4
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	19	0.4
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	19	0.4
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	19	0.4
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	20	0.4
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	20	0.4
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	20	0.4
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	3	0.4
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	13	0.4
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	13	0.4
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	5	0.4
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	12	0.4
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	10	0.4
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	10	0.4
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	10	0.4
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	20	0.4
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	20	0.4
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	20	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	1	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	2	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	3	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	5	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	6	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	7	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	8	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	9	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	11	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	12	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	14	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	16	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	19	0.4
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	20	0.4
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	2	0.4
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	13	0.4
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	14	0.4
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	15	0.4
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	20	0.4
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	1	0.4
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	3	0.4
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	4	0.4
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	6	0.4
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	19	0.4
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	13	0.4
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	13	0.4
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	13	0.4
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	11	0.4
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	7	0.4
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	3	0.4
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	6	0.4
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	5	0.4
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	16	0.4
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	14	0.4
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	14	0.4
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	14	0.4
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	6	0.4
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	6	0.4
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	6	0.4
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	19	0.4
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	9	0.4
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	4	0.4
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	20	0.4
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	4	0.4
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	4	0.4
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	4	0.4
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	12	0.4
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	1	0.4
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	5	0.4
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	6	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	3	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	7	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	17	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	18	0.4
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	20	0.4
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	19	0.4
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	19	0.4
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	19	0.4
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	7	0.4
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	8	0.4
(2,893)	1:86:A:LYS:HA	1:86:A:LYS:HB2	3	0.4
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	11	0.4
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	11	0.4
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	11	0.4
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	11	0.4
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	11	0.4
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	11	0.4
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	11	0.4
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	11	0.4
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	11	0.4
(2,859)	1:85:A:VAL:H	1:85:A:VAL:HA	13	0.4
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	2	0.4
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	19	0.4
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	19	0.4
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	19	0.4
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	19	0.4
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	4	0.4
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	9	0.4
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	16	0.4
(2,780)	1:76:A:LEU:HD21	1:86:A:LYS:HA	2	0.4
(2,780)	1:76:A:LEU:HD22	1:86:A:LYS:HA	2	0.4
(2,780)	1:76:A:LEU:HD23	1:86:A:LYS:HA	2	0.4
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	1	0.4
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	3	0.4
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	5	0.4
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	8	0.4
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	13	0.4
(2,695)	1:73:A:LEU:HD21	1:103:A:ARG:HD2	7	0.4
(2,695)	1:73:A:LEU:HD22	1:103:A:ARG:HD2	7	0.4
(2,695)	1:73:A:LEU:HD23	1:103:A:ARG:HD2	7	0.4
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	4	0.4
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	4	0.4
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	4	0.4
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	15	0.4
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	15	0.4
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	15	0.4
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	6	0.4
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	14	0.4
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	11	0.4
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	17	0.4
(2,544)	1:66:A:LEU:HD11	1:66:A:LEU:HA	2	0.4
(2,544)	1:66:A:LEU:HD12	1:66:A:LEU:HA	2	0.4
(2,544)	1:66:A:LEU:HD13	1:66:A:LEU:HA	2	0.4
(2,535)	1:66:A:LEU:HB2	1:71:A:LYS:H	1	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	1	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	3	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	4	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	9	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	10	0.4
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	14	0.4
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	2	0.4
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	8	0.4
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	8	0.4
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	8	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	1	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	1	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	4	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	4	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	4	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	8	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	8	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	8	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	11	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	11	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	11	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	14	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	14	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	14	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	15	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	15	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	15	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	17	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	17	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	17	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	20	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	20	0.4
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	20	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	8	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	8	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	8	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	9	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	9	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	9	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	11	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	11	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	11	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	13	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	13	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	13	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	14	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	14	0.4
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	14	0.4
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	9	0.4
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	11	0.4
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	18	0.4
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD11	6	0.4
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD12	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,443)	1:90:A:GLU:HB2	1:102:A:ILE:HD13	6	0.4
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	15	0.4
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	8	0.4
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	8	0.4
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	8	0.4
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	8	0.4
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	8	0.4
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	8	0.4
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	8	0.4
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	8	0.4
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	8	0.4
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	15	0.4
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	15	0.4
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	15	0.4
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	17	0.4
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	11	0.4
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	8	0.4
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	8	0.4
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	8	0.4
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	15	0.4
(2,320)	1:47:A:LEU:HD11	1:47:A:LEU:HB3	13	0.4
(2,320)	1:47:A:LEU:HD12	1:47:A:LEU:HB3	13	0.4
(2,320)	1:47:A:LEU:HD13	1:47:A:LEU:HB3	13	0.4
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	18	0.4
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	9	0.4
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	9	0.4
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	9	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	1	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	2	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	3	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	10	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	11	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	13	0.4
(2,271)	1:41:A:MET:HB2	1:41:A:MET:HG3	15	0.4
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	3	0.4
(2,176)	1:34:A:LEU:HA	1:34:A:LEU:H	5	0.4
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	15	0.4
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	4	0.4
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	13	0.4
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	16	0.4
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	9	0.4
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	10	0.4
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	10	0.4
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	10	0.4
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	10	0.4
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	10	0.4
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	10	0.4
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	10	0.4
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	10	0.4
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	9	0.4
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	9	0.4
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	9	0.4
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	1	0.4
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	1	0.4
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	1	0.4
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	1	0.4
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	1	0.4
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	1	0.4
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	1	0.4
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	1	0.4
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	1	0.4
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	17	0.4
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	17	0.4
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	17	0.4
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD11	9	0.4
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD12	9	0.4
(2,93)	1:28:A:TRP:HB3	1:76:A:LEU:HD13	9	0.4
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	6	0.4
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	6	0.4
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	6	0.4
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	19	0.4
(2,14)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	1	0.4
(2,14)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	1	0.4
(2,14)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	1	0.4
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD11	19	0.4
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD12	19	0.4
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD13	19	0.4
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD21	4	0.4
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD22	4	0.4
(1,1659)	1:42:A:ALA:H	1:49:A:LEU:HD23	4	0.4
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	3	0.4
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	18	0.4
(1,1522)	1:33:A:LYS:H	1:34:A:LEU:HB3	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	5	0.4
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD21	3	0.4
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD22	3	0.4
(1,1150)	1:72:A:ILE:H	1:23:A:LEU:HD23	3	0.4
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	8	0.4
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	17	0.4
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	20	0.4
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	20	0.4
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	20	0.4
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	20	0.4
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	20	0.4
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	20	0.4
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	20	0.4
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	20	0.4
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	20	0.4
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	14	0.4
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	16	0.4
(1,948)	1:59:A:ILE:HB	1:59:A:ILE:HG13	13	0.4
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	18	0.4
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	6	0.4
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	16	0.4
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	1	0.4
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	3	0.4
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	8	0.4
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	13	0.4
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	19	0.4
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	12	0.4
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	19	0.4
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	1	0.4
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	12	0.4
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	2	0.4
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	14	0.4
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	11	0.4
(1,512)	1:78:A:ASP:HA	1:78:A:ASP:HB3	16	0.4
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	3	0.4
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	3	0.4
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	3	0.4
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	17	0.4
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	17	0.4
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	17	0.4
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	5	0.4
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	5	0.4
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	4	0.4
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	4	0.4
(1,411)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	4	0.4
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	9	0.4
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	10	0.4
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	18	0.4
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	7	0.4
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	14	0.4
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	14	0.4
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	14	0.4
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	8	0.4
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	8	0.4
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	8	0.4
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	4	0.4
(1,285)	1:90:A:GLU:HB3	1:87:A:LYS:HA	11	0.4
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	10	0.4
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	10	0.4
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	10	0.4
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	11	0.4
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	11	0.4
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	11	0.4
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	11	0.4
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	11	0.4
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	11	0.4
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	19	0.4
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	19	0.4
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	19	0.4
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	9	0.39
(2,2834)	1:23:A:LEU:HD21	1:120:A:GLU:H	4	0.39
(2,2834)	1:23:A:LEU:HD22	1:120:A:GLU:H	4	0.39
(2,2834)	1:23:A:LEU:HD23	1:120:A:GLU:H	4	0.39
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	6	0.39
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	13	0.39
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	13	0.39
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	13	0.39
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	18	0.39
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	18	0.39
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	18	0.39
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	1	0.39
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	1	0.39
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	3	0.39
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	19	0.39
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	14	0.39
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	6	0.39
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	6	0.39
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	7	0.39
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	2	0.39
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	12	0.39
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	12	0.39
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	12	0.39
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	13	0.39
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	13	0.39
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	13	0.39
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	3	0.39
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	9	0.39
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	4	0.39
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	11	0.39
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	20	0.39
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	8	0.39
(2,2483)	1:82:A:ALA:HA	1:28:A:TRP:HE1	5	0.39
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	15	0.39
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	15	0.39
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	15	0.39
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	15	0.39
(2,2434)	1:74:A:VAL:H	1:101:A:ARG:HB3	18	0.39
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	16	0.39
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	19	0.39
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	19	0.39
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	19	0.39
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	17	0.39
(2,2386)	1:66:A:LEU:H	1:63:A:LEU:HA	2	0.39
(2,2381)	1:63:A:LEU:HB2	1:64:A:LYS:H	6	0.39
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	10	0.39
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	8	0.39
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	8	0.39
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	8	0.39
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	1	0.39
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	1	0.39
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	1	0.39
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	17	0.39
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	17	0.39
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	1	0.39
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	1	0.39
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	1	0.39
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	5	0.39
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	5	0.39
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	5	0.39
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	4	0.39
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	19	0.39
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	12	0.39
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	7	0.39
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	12	0.39
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	19	0.39
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	19	0.39
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	19	0.39
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	16	0.39
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	5	0.39
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	20	0.39
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	2	0.39
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	5	0.39
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	18	0.39
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	1	0.39
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	18	0.39
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	6	0.39
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	7	0.39
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	3	0.39
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	12	0.39
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	9	0.39
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	11	0.39
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	11	0.39
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	11	0.39
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	4	0.39
(2,1970)	1:29:A:SER:HB2	1:29:A:SER:H	6	0.39
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	4	0.39
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	16	0.39
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	19	0.39
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	1	0.39
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	5	0.39
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	14	0.39
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	15	0.39
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	17	0.39
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	1	0.39
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	9	0.39
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	16	0.39
(2,1840)	1:83:A:ASP:HB2	1:83:A:ASP:H	10	0.39
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	4	0.39
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	12	0.39
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	3	0.39
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	18	0.39
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	17	0.39
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	6	0.39
(2,1768)	1:47:A:LEU:HD21	1:47:A:LEU:H	12	0.39
(2,1768)	1:47:A:LEU:HD22	1:47:A:LEU:H	12	0.39
(2,1768)	1:47:A:LEU:HD23	1:47:A:LEU:H	12	0.39
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	19	0.39
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	17	0.39
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	6	0.39
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	20	0.39
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	12	0.39
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	13	0.39
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	6	0.39
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	2	0.39
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	19	0.39
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	6	0.39
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	14	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	8	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	8	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	8	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	14	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	14	0.39
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	14	0.39
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	2	0.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	10	0.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	10	0.39
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	10	0.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	10	0.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	10	0.39
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	10	0.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	10	0.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	10	0.39
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	10	0.39
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	15	0.39
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	15	0.39
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	15	0.39
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	15	0.39
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	15	0.39
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	15	0.39
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	15	0.39
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	15	0.39
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	5	0.39
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	5	0.39
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	5	0.39
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	9	0.39
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	5	0.39
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	20	0.39
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	10	0.39
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	6	0.39
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	7	0.39
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	7	0.39
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	7	0.39
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	9	0.39
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	9	0.39
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	9	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	4	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	10	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	13	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	15	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	17	0.39
(2,1365)	1:115:A:ILE:HA	1:115:A:ILE:HB	18	0.39
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	20	0.39
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	9	0.39
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	16	0.39
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	8	0.39
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	17	0.39
(2,1314)	1:112:A:LYS:HA	1:113:A:ARG:H	20	0.39
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	3	0.39
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	3	0.39
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	3	0.39
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	6	0.39
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	18	0.39
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	5	0.39
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	16	0.39
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	5	0.39
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	6	0.39
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	4	0.39
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	8	0.39
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	19	0.39
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	19	0.39
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	2	0.39
(2,1130)	1:102:A:ILE:HG21	1:86:A:LYS:HE3	6	0.39
(2,1130)	1:102:A:ILE:HG22	1:86:A:LYS:HE3	6	0.39
(2,1130)	1:102:A:ILE:HG23	1:86:A:LYS:HE3	6	0.39
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	10	0.39
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	19	0.39
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	19	0.39
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	2	0.39
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	19	0.39
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	19	0.39
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	19	0.39
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	16	0.39
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	16	0.39
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	16	0.39
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	7	0.39
(2,976)	1:96:A:LYS:HA	1:96:A:LYS:HG2	18	0.39
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	5	0.39
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	6	0.39
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	14	0.39
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	6	0.39
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	11	0.39
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	13	0.39
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	7	0.39
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	7	0.39
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	7	0.39
(2,919)	1:89:A:ILE:HG21	1:89:A:ILE:HA	1	0.39
(2,919)	1:89:A:ILE:HG22	1:89:A:ILE:HA	1	0.39
(2,919)	1:89:A:ILE:HG23	1:89:A:ILE:HA	1	0.39
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	1	0.39
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	16	0.39
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	16	0.39
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	16	0.39
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	19	0.39
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	16	0.39
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	17	0.39
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	8	0.39
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	14	0.39
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	1:86:A:LYS:HG2	1:83:A:ASP:HA	18	0.39
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	14	0.39
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	14	0.39
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	14	0.39
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	12	0.39
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	12	0.39
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	12	0.39
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	5	0.39
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	5	0.39
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	5	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	4	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	7	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	9	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	10	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	15	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	17	0.39
(2,729)	1:75:A:LEU:HA	1:75:A:LEU:HB2	20	0.39
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	1	0.39
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	1	0.39
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	1	0.39
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	14	0.39
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	14	0.39
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	14	0.39
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	7	0.39
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	7	0.39
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	7	0.39
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	11	0.39
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	11	0.39
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	11	0.39
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	18	0.39
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	18	0.39
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	18	0.39
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	17	0.39
(2,658)	1:72:A:ILE:HD11	1:100:A:VAL:HA	20	0.39
(2,658)	1:72:A:ILE:HD12	1:100:A:VAL:HA	20	0.39
(2,658)	1:72:A:ILE:HD13	1:100:A:VAL:HA	20	0.39
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	17	0.39
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	19	0.39
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	16	0.39
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	11	0.39
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	12	0.39
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	12	0.39
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	13	0.39
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	11	0.39
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	12	0.39
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	17	0.39
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	20	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	3	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	3	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	3	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	6	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	6	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	6	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	11	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	11	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	11	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	12	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	12	0.39
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	12	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	2	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	2	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	2	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	5	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	5	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	5	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	6	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	6	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	6	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	9	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	9	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	9	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	10	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	10	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	10	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	12	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	12	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	12	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	13	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	13	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	13	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	18	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	18	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	19	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	19	0.39
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	19	0.39
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	16	0.39
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	16	0.39
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	16	0.39
(2,432)	1:59:A:ILE:HG13	1:59:A:ILE:HA	20	0.39
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	8	0.39
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	19	0.39
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	20	0.39
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	20	0.39
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	20	0.39
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	17	0.39
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	6	0.39
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	6	0.39
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	6	0.39
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	3	0.39
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	5	0.39
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	5	0.39
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	5	0.39
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	5	0.39
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	5	0.39
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	5	0.39
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	5	0.39
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	5	0.39
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	5	0.39
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	12	0.39
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	7	0.39
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	7	0.39
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	7	0.39
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	12	0.39
(2,191)	1:34:A:LEU:HD11	1:105:A:VAL:HB	1	0.39
(2,191)	1:34:A:LEU:HD12	1:105:A:VAL:HB	1	0.39
(2,191)	1:34:A:LEU:HD13	1:105:A:VAL:HB	1	0.39
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	6	0.39
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	4	0.39
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	20	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	2	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	4	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	5	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	6	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	10	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	11	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	12	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	14	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	17	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	18	0.39
(2,130)	1:29:A:SER:HA	1:29:A:SER:HB2	20	0.39
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	13	0.39
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	13	0.39
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	13	0.39
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	6	0.39
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	6	0.39
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	6	0.39
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	6	0.39
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	6	0.39
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	6	0.39
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	6	0.39
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	6	0.39
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	6	0.39
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	11	0.39
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	11	0.39
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	11	0.39
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	8	0.39
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	8	0.39
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	8	0.39
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	10	0.39
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	10	0.39
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	10	0.39
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	18	0.39
(1,2194)	1:57:A:LYS:H	1:56:A:ASP:HB2	8	0.39
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	15	0.39
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	5	0.39
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	17	0.39
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	1	0.39
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	4	0.39
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	10	0.39
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	8	0.39
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	15	0.39
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	8	0.39
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	6	0.39
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	17	0.39
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	13	0.39
(1,717)	1:102:A:ILE:HB	1:102:A:ILE:HG13	17	0.39
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	3	0.39
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	3	0.39
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	1	0.39
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	10	0.39
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	16	0.39
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	4	0.39
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	4	0.39
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	4	0.39
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	6	0.39
(1,285)	1:90:A:GLU:HB3	1:87:A:LYS:HA	13	0.39
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	20	0.39
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	15	0.39
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	7	0.39
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	15	0.39
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	4	0.39
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	4	0.39
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	4	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	13	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	13	0.39
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	13	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	1	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	1	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	1	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	2	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	2	0.39
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	2	0.39
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	7	0.39
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	7	0.39
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	7	0.39
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	14	0.38
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	14	0.38
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	14	0.38
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	3	0.38
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	3	0.38
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	3	0.38
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	16	0.38
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	16	0.38
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	13	0.38
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	13	0.38
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	13	0.38
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	11	0.38
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	15	0.38
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	15	0.38
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	15	0.38
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	14	0.38
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	14	0.38
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	14	0.38
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	9	0.38
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	15	0.38
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	20	0.38
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	6	0.38
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	6	0.38
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	6	0.38
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	14	0.38
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	2	0.38
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	8	0.38
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	2	0.38
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	18	0.38
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	18	0.38
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	18	0.38
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	2	0.38
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	11	0.38
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	11	0.38
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	11	0.38
(2,2417)	1:23:A:LEU:HD11	1:72:A:ILE:H	12	0.38
(2,2417)	1:23:A:LEU:HD12	1:72:A:ILE:H	12	0.38
(2,2417)	1:23:A:LEU:HD13	1:72:A:ILE:H	12	0.38
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	10	0.38
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	13	0.38
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	8	0.38
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	3	0.38
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	3	0.38
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	3	0.38
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	13	0.38
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	13	0.38
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	13	0.38
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	6	0.38
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	6	0.38
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	17	0.38
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	17	0.38
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	17	0.38
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	4	0.38
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	12	0.38
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	17	0.38
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	17	0.38
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	17	0.38
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	9	0.38
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	1	0.38
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	18	0.38
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	11	0.38
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	11	0.38
(2,2157)	1:28:A:TRP:H	1:75:A:LEU:HB3	9	0.38
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	9	0.38
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	9	0.38
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	9	0.38
(2,2138)	1:26:A:LEU:H	1:74:A:VAL:HB	15	0.38
(2,2127)	1:49:A:LEU:HB3	1:25:A:VAL:H	7	0.38
(2,2097)	1:87:A:LYS:H	1:87:A:LYS:HB2	16	0.38
(2,2097)	1:87:A:LYS:H	1:87:A:LYS:HB2	18	0.38
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	7	0.38
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	8	0.38
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	3	0.38
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	6	0.38
(2,2033)	1:84:A:LYS:HB2	1:84:A:LYS:H	14	0.38
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	11	0.38
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	19	0.38
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	5	0.38
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	20	0.38
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	20	0.38
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	20	0.38
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	18	0.38
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	2	0.38
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	11	0.38
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	2	0.38
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	4	0.38
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	13	0.38
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	13	0.38
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	17	0.38
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	14	0.38
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	6	0.38
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	5	0.38
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	18	0.38
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	6	0.38
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	8	0.38
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	16	0.38
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	14	0.38
(2,1867)	1:101:A:ARG:H	1:101:A:ARG:HG3	4	0.38
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	10	0.38
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	10	0.38
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	10	0.38
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	9	0.38
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	9	0.38
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	9	0.38
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	11	0.38
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	14	0.38
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	2	0.38
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	7	0.38
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	15	0.38
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	18	0.38
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	18	0.38
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	18	0.38
(2,1715)	1:23:A:LEU:HD21	1:23:A:LEU:H	13	0.38
(2,1715)	1:23:A:LEU:HD22	1:23:A:LEU:H	13	0.38
(2,1715)	1:23:A:LEU:HD23	1:23:A:LEU:H	13	0.38
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	8	0.38
(2,1702)	1:66:A:LEU:H	1:65:A:SER:H	5	0.38
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	16	0.38
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	4	0.38
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	10	0.38
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	20	0.38
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	20	0.38
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	20	0.38
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	12	0.38
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	17	0.38
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD11	1	0.38
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD12	1	0.38
(2,1505)	1:89:A:ILE:HG12	1:52:A:LEU:HD13	1	0.38
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	16	0.38
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	16	0.38
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	15	0.38
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	17	0.38
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	3	0.38
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	14	0.38
(2,1433)	1:119:A:SER:H	1:119:A:SER:HB3	18	0.38
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	20	0.38
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	11	0.38
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	7	0.38
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	7	0.38
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	7	0.38
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	7	0.38
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	7	0.38
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	7	0.38
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	7	0.38
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	7	0.38
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	7	0.38
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	7	0.38
(2,1295)	1:111:A:ALA:HA	1:111:A:ALA:H	2	0.38
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	12	0.38
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	11	0.38
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	20	0.38
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	12	0.38
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	18	0.38
(2,1266)	1:34:A:LEU:HD11	1:108:A:PRO:HG2	19	0.38
(2,1266)	1:34:A:LEU:HD12	1:108:A:PRO:HG2	19	0.38
(2,1266)	1:34:A:LEU:HD13	1:108:A:PRO:HG2	19	0.38
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	16	0.38
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	14	0.38
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	14	0.38
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	14	0.38
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	16	0.38
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	2	0.38
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	8	0.38
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	20	0.38
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	12	0.38
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	12	0.38
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	12	0.38
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	14	0.38
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	14	0.38
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	14	0.38
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	3	0.38
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	19	0.38
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	5	0.38
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	5	0.38
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	5	0.38
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	2	0.38
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	2	0.38
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	2	0.38
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	8	0.38
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	18	0.38
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	16	0.38
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	16	0.38
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	16	0.38
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	5	0.38
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	5	0.38
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	5	0.38
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	12	0.38
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	16	0.38
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	12	0.38
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	13	0.38
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	12	0.38
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	15	0.38
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	8	0.38
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	10	0.38
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	3	0.38
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	11	0.38
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	12	0.38
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	12	0.38
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	12	0.38
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	11	0.38
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	11	0.38
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	11	0.38
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	4	0.38
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	12	0.38
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	10	0.38
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	13	0.38
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	18	0.38
(2,822)	1:82:A:ALA:HA	1:82:A:ALA:H	6	0.38
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	7	0.38
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	5	0.38
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	5	0.38
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	5	0.38
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	16	0.38
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	16	0.38
(2,689)	1:73:A:LEU:HD21	1:101:A:ARG:H	1	0.38
(2,689)	1:73:A:LEU:HD22	1:101:A:ARG:H	1	0.38
(2,689)	1:73:A:LEU:HD23	1:101:A:ARG:H	1	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	4	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	4	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	4	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	9	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	9	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	9	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	10	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	10	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	10	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	12	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	12	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	12	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	16	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	16	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	16	0.38
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	19	0.38
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	19	0.38
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	19	0.38
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	18	0.38
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	18	0.38
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	18	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	7	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	7	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	7	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	7	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	7	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	7	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	7	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	7	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	7	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	13	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	13	0.38
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	13	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	13	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	13	0.38
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	13	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	13	0.38
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	13	0.38
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	4	0.38
(2,527)	1:65:A:SER:HB3	1:65:A:SER:H	20	0.38
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	7	0.38
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	18	0.38
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	1	0.38
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	10	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	2	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	2	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	2	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD21	4	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD22	4	0.38
(2,514)	1:63:A:LEU:HB2	1:63:A:LEU:HD23	4	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	3	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	3	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	3	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG21	7	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG22	7	0.38
(2,491)	1:62:A:ILE:H	1:62:A:ILE:HG23	7	0.38
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	20	0.38
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	20	0.38
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	20	0.38
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	4	0.38
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	4	0.38
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	4	0.38
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	2	0.38
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	2	0.38
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	2	0.38
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	5	0.38
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	1	0.38
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	12	0.38
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	11	0.38
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	19	0.38
(2,368)	1:66:A:LEU:HA	1:66:A:LEU:HB3	7	0.38
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	2	0.38
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	2	0.38
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	2	0.38
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	12	0.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	17	0.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	17	0.38
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	17	0.38
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	17	0.38
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	17	0.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	17	0.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	17	0.38
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	17	0.38
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	2	0.38
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	2	0.38
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	2	0.38
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	2	0.38
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	17	0.38
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	1	0.38
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	2	0.38
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	9	0.38
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	19	0.38
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	14	0.38
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	18	0.38
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	18	0.38
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	18	0.38
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	19	0.38
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	19	0.38
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	19	0.38
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	19	0.38
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	19	0.38
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	19	0.38
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	19	0.38
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	19	0.38
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	19	0.38
(2,169)	1:34:A:LEU:HA	1:108:A:PRO:HB2	12	0.38
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	9	0.38
(2,156)	1:112:A:LYS:HB2	1:113:A:ARG:HB2	5	0.38
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	11	0.38
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	7	0.38
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	17	0.38
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	7	0.38
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	7	0.38
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	7	0.38
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	7	0.38
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	7	0.38
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	7	0.38
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	7	0.38
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	7	0.38
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG11	2	0.38
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG12	2	0.38
(2,64)	1:25:A:VAL:HA	1:25:A:VAL:HG13	2	0.38
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	7	0.38
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	7	0.38
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	7	0.38
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	1	0.38
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	1	0.38
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	1	0.38
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	6	0.38
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	6	0.38
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	6	0.38
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	6	0.38
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	6	0.38
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	6	0.38
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	6	0.38
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	6	0.38
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	6	0.38
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	17	0.38
(1,1679)	1:87:A:LYS:H	1:87:A:LYS:HE2	5	0.38
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	12	0.38
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	12	0.38
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	12	0.38
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	12	0.38
(1,991)	1:98:A:LEU:HG	1:96:A:LYS:HB2	14	0.38
(1,986)	1:113:A:ARG:HG2	1:113:A:ARG:HD2	20	0.38
(1,951)	1:59:A:ILE:HA	1:62:A:ILE:HG13	11	0.38
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	12	0.38
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD11	4	0.38
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD12	4	0.38
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD13	4	0.38
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD11	4	0.38
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD12	4	0.38
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD13	4	0.38
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD11	4	0.38
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD12	4	0.38
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD13	4	0.38
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	14	0.38
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	2	0.38
(1,726)	1:103:A:ARG:HB3	1:103:A:ARG:HG2	18	0.38
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	10	0.38
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	2	0.38
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	11	0.38
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	14	0.38
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	14	0.38
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	5	0.38
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD21	17	0.38
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD22	17	0.38
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD23	17	0.38
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	16	0.38
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	17	0.38
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	17	0.38
(1,347)	1:66:A:LEU:H	1:66:A:LEU:HB3	7	0.38
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	18	0.38
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	18	0.38
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	18	0.38
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	12	0.38
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	12	0.38
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	12	0.38
(1,298)	1:115:A:ILE:HG21	1:41:A:MET:HG3	2	0.38
(1,298)	1:115:A:ILE:HG22	1:41:A:MET:HG3	2	0.38
(1,298)	1:115:A:ILE:HG23	1:41:A:MET:HG3	2	0.38
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	7	0.38
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	6	0.38
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	4	0.38
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	4	0.38
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	4	0.38
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	19	0.38
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	19	0.38
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	19	0.38
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD21	20	0.38
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD22	20	0.38
(1,41)	1:25:A:VAL:HG11	1:49:A:LEU:HD23	20	0.38
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD21	20	0.38
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD22	20	0.38
(1,41)	1:25:A:VAL:HG12	1:49:A:LEU:HD23	20	0.38
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD21	20	0.38
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD22	20	0.38
(1,41)	1:25:A:VAL:HG13	1:49:A:LEU:HD23	20	0.38
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD21	15	0.38
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD22	15	0.38
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD23	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	10	0.38
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	10	0.38
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	10	0.38
(2,2825)	1:47:A:LEU:HD11	1:119:A:SER:H	7	0.37
(2,2825)	1:47:A:LEU:HD12	1:119:A:SER:H	7	0.37
(2,2825)	1:47:A:LEU:HD13	1:119:A:SER:H	7	0.37
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	7	0.37
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	13	0.37
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	18	0.37
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	2	0.37
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	2	0.37
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	2	0.37
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	12	0.37
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	16	0.37
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	12	0.37
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	17	0.37
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	9	0.37
(2,2695)	1:110:A:GLU:HB2	1:107:A:SER:H	18	0.37
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	12	0.37
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	19	0.37
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	19	0.37
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	19	0.37
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	4	0.37
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	11	0.37
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	6	0.37
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	6	0.37
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	6	0.37
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	18	0.37
(2,2521)	1:82:A:ALA:H	1:81:A:ASP:HB3	18	0.37
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	7	0.37
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	19	0.37
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	3	0.37
(2,2472)	1:110:A:GLU:HG3	1:114:A:TRP:HE1	12	0.37
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	14	0.37
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	18	0.37
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	18	0.37
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	18	0.37
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	6	0.37
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	17	0.37
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	17	0.37
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	17	0.37
(2,2399)	1:68:A:PRO:HB2	1:70:A:VAL:H	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	11	0.37
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	4	0.37
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	4	0.37
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	8	0.37
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	11	0.37
(2,2300)	1:43:A:GLU:HG2	1:44:A:LYS:H	3	0.37
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	2	0.37
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	5	0.37
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	5	0.37
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	5	0.37
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	2	0.37
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	3	0.37
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	3	0.37
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	3	0.37
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	17	0.37
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	15	0.37
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	13	0.37
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	13	0.37
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	15	0.37
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	15	0.37
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	9	0.37
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	9	0.37
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	9	0.37
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	11	0.37
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	19	0.37
(2,2092)	1:96:A:LYS:HB3	1:96:A:LYS:H	4	0.37
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	7	0.37
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	6	0.37
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	12	0.37
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	15	0.37
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	3	0.37
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	7	0.37
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	18	0.37
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	16	0.37
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	2	0.37
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	6	0.37
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	13	0.37
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	6	0.37
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	10	0.37
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	16	0.37
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	19	0.37
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	19	0.37
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	8	0.37
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	19	0.37
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	10	0.37
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	17	0.37
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	4	0.37
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	4	0.37
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	5	0.37
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	1	0.37
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	1	0.37
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	1	0.37
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	5	0.37
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	3	0.37
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	5	0.37
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	19	0.37
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	19	0.37
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	19	0.37
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	19	0.37
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	12	0.37
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	12	0.37
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	12	0.37
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	18	0.37
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	20	0.37
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	20	0.37
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	20	0.37
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	4	0.37
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	7	0.37
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	5	0.37
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	16	0.37
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	19	0.37
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	10	0.37
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	7	0.37
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	19	0.37
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	19	0.37
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	19	0.37
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	18	0.37
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	18	0.37
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	18	0.37
(2,1490)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	20	0.37
(2,1490)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	20	0.37
(2,1490)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	20	0.37
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	19	0.37
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	19	0.37
(2,1480)	1:62:A:ILE:H	1:62:A:ILE:HG12	11	0.37
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	10	0.37
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	10	0.37
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	10	0.37
(2,1424)	1:73:A:LEU:HD11	1:118:A:PHE:HB3	14	0.37
(2,1424)	1:73:A:LEU:HD12	1:118:A:PHE:HB3	14	0.37
(2,1424)	1:73:A:LEU:HD13	1:118:A:PHE:HB3	14	0.37
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	13	0.37
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	13	0.37
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	13	0.37
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	19	0.37
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	19	0.37
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	19	0.37
(2,1315)	1:112:A:LYS:HA	1:112:A:LYS:H	11	0.37
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	20	0.37
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	20	0.37
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	20	0.37
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	20	0.37
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	20	0.37
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	20	0.37
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	20	0.37
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	20	0.37
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	20	0.37
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	15	0.37
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	12	0.37
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	10	0.37
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	14	0.37
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	14	0.37
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	14	0.37
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	10	0.37
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	17	0.37
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	4	0.37
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	4	0.37
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	4	0.37
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	17	0.37
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	17	0.37
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	17	0.37
(2,1159)	1:104:A:LYS:HA	1:78:A:ASP:HB2	2	0.37
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	16	0.37
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	6	0.37
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	6	0.37
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	2	0.37
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	2	0.37
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	2	0.37
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	2	0.37
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	2	0.37
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	2	0.37
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	2	0.37
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	2	0.37
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	2	0.37
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	9	0.37
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	9	0.37
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	2	0.37
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	2	0.37
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	2	0.37
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	3	0.37
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	3	0.37
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	3	0.37
(2,1044)	1:99:A:PRO:HD2	1:98:A:LEU:HA	16	0.37
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	1	0.37
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	1	0.37
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	1	0.37
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	14	0.37
(2,1015)	1:99:A:PRO:HA	1:100:A:VAL:H	13	0.37
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	15	0.37
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	16	0.37
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	1	0.37
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	9	0.37
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	10	0.37
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	10	0.37
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	10	0.37
(2,891)	1:86:A:LYS:HG3	1:86:A:LYS:HA	8	0.37
(2,877)	1:85:A:VAL:HG11	1:86:A:LYS:HA	9	0.37
(2,877)	1:85:A:VAL:HG12	1:86:A:LYS:HA	9	0.37
(2,877)	1:85:A:VAL:HG13	1:86:A:LYS:HA	9	0.37
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	20	0.37
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	20	0.37
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	20	0.37
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	20	0.37
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	20	0.37
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	20	0.37
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	20	0.37
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	20	0.37
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	3	0.37
(2,804)	1:29:A:SER:HA	1:77:A:GLU:HG2	15	0.37
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	20	0.37
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	12	0.37
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	12	0.37
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	12	0.37
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	15	0.37
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	13	0.37
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	10	0.37
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	10	0.37
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	10	0.37
(2,737)	1:27:A:ILE:HB	1:75:A:LEU:HB2	15	0.37
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	9	0.37
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	9	0.37
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	9	0.37
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	2	0.37
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	2	0.37
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	2	0.37
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	19	0.37
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	19	0.37
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	19	0.37
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	9	0.37
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	5	0.37
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	5	0.37
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	5	0.37
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	8	0.37
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	8	0.37
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	8	0.37
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	13	0.37
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	13	0.37
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	13	0.37
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	20	0.37
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	20	0.37
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	20	0.37
(2,665)	1:72:A:ILE:HG13	1:72:A:ILE:HA	14	0.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	18	0.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	18	0.37
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	18	0.37
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	15	0.37
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	15	0.37
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	13	0.37
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	17	0.37
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	17	0.37
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	17	0.37
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG11	14	0.37
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG12	14	0.37
(2,628)	1:24:A:LEU:H	1:70:A:VAL:HG13	14	0.37
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	8	0.37
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	4	0.37
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	4	0.37
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	4	0.37
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	18	0.37
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	10	0.37
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	8	0.37
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	5	0.37
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	3	0.37
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	3	0.37
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	3	0.37
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	3	0.37
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	3	0.37
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	3	0.37
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	3	0.37
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	3	0.37
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	3	0.37
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	18	0.37
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	18	0.37
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	18	0.37
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	9	0.37
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	15	0.37
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	6	0.37
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	6	0.37
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	6	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	1	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	2	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	3	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	4	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	5	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	6	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	7	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	9	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	10	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	11	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	12	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	13	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	14	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	15	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	16	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	17	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	18	0.37
(2,383)	1:121:A:GLU:HG2	1:121:A:GLU:HG3	20	0.37
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	15	0.37
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	13	0.37
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	13	0.37
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	13	0.37
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	13	0.37
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	13	0.37
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	13	0.37
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	13	0.37
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	13	0.37
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	13	0.37
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	15	0.37
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	15	0.37
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	15	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	12	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	12	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	12	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	12	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	12	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	12	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	12	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	12	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	12	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	16	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	16	0.37
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	16	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	16	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	16	0.37
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	16	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	16	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	16	0.37
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	6	0.37
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	6	0.37
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	6	0.37
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	6	0.37
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	16	0.37
(2,254)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	17	0.37
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	7	0.37
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	7	0.37
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	7	0.37
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	7	0.37
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	14	0.37
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	14	0.37
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	14	0.37
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	8	0.37
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	17	0.37
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	17	0.37
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	17	0.37
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	17	0.37
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	17	0.37
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	17	0.37
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	17	0.37
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	17	0.37
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	17	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	1	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	1	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	1	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	15	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	15	0.37
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	15	0.37
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	10	0.37
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	1	0.37
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	5	0.37
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	13	0.37
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	15	0.37
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	17	0.37
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	4	0.37
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	18	0.37
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	20	0.37
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	20	0.37
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	20	0.37
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	18	0.37
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	20	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	2	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	3	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	6	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	8	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	9	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	10	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	15	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	16	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	17	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	18	0.37
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	20	0.37
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	13	0.37
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	16	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	1	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	3	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	4	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	5	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	6	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	7	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	8	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	9	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	10	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	12	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	13	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	15	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	18	0.37
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	19	0.37
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	3	0.37
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	3	0.37
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	3	0.37
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	4	0.37
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	4	0.37
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	4	0.37
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	12	0.37
(1,2210)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	19	0.37
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	19	0.37
(1,1589)	1:32:A:LYS:H	1:32:A:LYS:HD2	20	0.37
(1,1388)	1:73:A:LEU:H	1:101:A:ARG:HB2	5	0.37
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	3	0.37
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	5	0.37
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	17	0.37
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	12	0.37
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	18	0.37
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	12	0.37
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	3	0.37
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	3	0.37
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	3	0.37
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	7	0.37
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	8	0.37
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	2	0.37
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	15	0.37
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	2	0.37
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	2	0.37
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	2	0.37
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	15	0.37
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	15	0.37
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	15	0.37
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	13	0.37
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	13	0.37
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	13	0.37
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	7	0.37
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	5	0.37
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	20	0.37
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	5	0.37
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	8	0.37
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	3	0.37
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	3	0.37
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	3	0.37
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	3	0.37
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	13	0.37
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	19	0.37
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	11	0.37
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	11	0.37
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	11	0.37
(1,111)	1:34:A:LEU:HD11	1:108:A:PRO:HA	2	0.37
(1,111)	1:34:A:LEU:HD12	1:108:A:PRO:HA	2	0.37
(1,111)	1:34:A:LEU:HD13	1:108:A:PRO:HA	2	0.37
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	10	0.36
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	10	0.36
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	10	0.36
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	12	0.36
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	16	0.36
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	16	0.36
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	16	0.36
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	5	0.36
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	17	0.36
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	17	0.36
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	17	0.36
(2,2636)	1:94:A:ARG:HA	1:98:A:LEU:H	2	0.36
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	4	0.36
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	9	0.36
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	2	0.36
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	14	0.36
(2,2542)	1:85:A:VAL:H	1:84:A:LYS:HD2	9	0.36
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	4	0.36
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	8	0.36
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	16	0.36
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	16	0.36
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	16	0.36
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	13	0.36
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	13	0.36
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	13	0.36
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	5	0.36
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	1	0.36
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	1	0.36
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	1	0.36
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	4	0.36
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	17	0.36
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	8	0.36
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	15	0.36
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	15	0.36
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	15	0.36
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	15	0.36
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	13	0.36
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	14	0.36
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	17	0.36
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	8	0.36
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	8	0.36
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	8	0.36
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	11	0.36
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	10	0.36
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	3	0.36
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	4	0.36
(2,2147)	1:26:A:LEU:HB2	1:27:A:ILE:H	16	0.36
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	4	0.36
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	2	0.36
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	5	0.36
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	12	0.36
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	19	0.36
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	16	0.36
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	3	0.36
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	2	0.36
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	4	0.36
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	12	0.36
(2,2027)	1:58:A:LYS:HA	1:58:A:LYS:H	16	0.36
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	2	0.36
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	5	0.36
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	13	0.36
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	1	0.36
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	2	0.36
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	15	0.36
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	10	0.36
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	4	0.36
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	11	0.36
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	5	0.36
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	13	0.36
(2,1917)	1:43:A:GLU:H	1:43:A:GLU:HG2	14	0.36
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	11	0.36
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	15	0.36
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	7	0.36
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	5	0.36
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	3	0.36
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	7	0.36
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	18	0.36
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	18	0.36
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	18	0.36
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	13	0.36
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	13	0.36
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	13	0.36
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	19	0.36
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	19	0.36
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	19	0.36
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	13	0.36
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	18	0.36
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	10	0.36
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	10	0.36
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	10	0.36
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	6	0.36
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	6	0.36
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	6	0.36
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	6	0.36
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	17	0.36
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	19	0.36
(2,1691)	1:32:A:LYS:H	1:33:A:LYS:H	11	0.36
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	3	0.36
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	20	0.36
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	14	0.36
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	16	0.36
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	20	0.36
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	18	0.36
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	18	0.36
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	18	0.36
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	4	0.36
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	9	0.36
(2,1466)	1:59:A:ILE:HD11	1:59:A:ILE:H	14	0.36
(2,1466)	1:59:A:ILE:HD12	1:59:A:ILE:H	14	0.36
(2,1466)	1:59:A:ILE:HD13	1:59:A:ILE:H	14	0.36
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	12	0.36
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	13	0.36
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	5	0.36
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	11	0.36
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	11	0.36
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	11	0.36
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	9	0.36
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	9	0.36
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	9	0.36
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	8	0.36
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	18	0.36
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	18	0.36
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	18	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	5	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	5	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	5	0.36
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	5	0.36
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	5	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	5	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	5	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	5	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	10	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	10	0.36
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	10	0.36
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	10	0.36
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	10	0.36
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	10	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	10	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	10	0.36
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	10	0.36
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	14	0.36
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	14	0.36
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	14	0.36
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	9	0.36
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	9	0.36
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	9	0.36
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	1	0.36
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	7	0.36
(2,1309)	1:111:A:ALA:HB1	1:75:A:LEU:HG	3	0.36
(2,1309)	1:111:A:ALA:HB2	1:75:A:LEU:HG	3	0.36
(2,1309)	1:111:A:ALA:HB3	1:75:A:LEU:HG	3	0.36
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	13	0.36
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	13	0.36
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	13	0.36
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	13	0.36
(2,1270)	1:109:A:ASP:HB2	1:109:A:ASP:HA	20	0.36
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	18	0.36
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	20	0.36
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	8	0.36
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	18	0.36
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	14	0.36
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	14	0.36
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	14	0.36
(2,1215)	1:105:A:VAL:HG11	1:104:A:LYS:HA	8	0.36
(2,1215)	1:105:A:VAL:HG12	1:104:A:LYS:HA	8	0.36
(2,1215)	1:105:A:VAL:HG13	1:104:A:LYS:HA	8	0.36
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	2	0.36
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	2	0.36
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	2	0.36
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	10	0.36
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	1	0.36
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	1	0.36
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	4	0.36
(2,1127)	1:102:A:ILE:HG12	1:102:A:ILE:H	8	0.36
(2,1116)	1:102:A:ILE:HD11	1:86:A:LYS:HA	20	0.36
(2,1116)	1:102:A:ILE:HD12	1:86:A:LYS:HA	20	0.36
(2,1116)	1:102:A:ILE:HD13	1:86:A:LYS:HA	20	0.36
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	10	0.36
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	18	0.36
(2,1061)	1:100:A:VAL:H	1:100:A:VAL:HB	11	0.36
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	16	0.36
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	5	0.36
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	8	0.36
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	15	0.36
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	11	0.36
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	2	0.36
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	14	0.36
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	5	0.36
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	5	0.36
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	5	0.36
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	10	0.36
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	3	0.36
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	17	0.36
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	7	0.36
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	13	0.36
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	1	0.36
(2,787)	1:34:A:LEU:HD11	1:77:A:GLU:HA	5	0.36
(2,787)	1:34:A:LEU:HD12	1:77:A:GLU:HA	5	0.36
(2,787)	1:34:A:LEU:HD13	1:77:A:GLU:HA	5	0.36
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	3	0.36
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	3	0.36
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	3	0.36
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	10	0.36
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	10	0.36
(2,748)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	10	0.36
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	10	0.36
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	10	0.36
(2,748)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	10	0.36
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	10	0.36
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	10	0.36
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	17	0.36
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	17	0.36
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	17	0.36
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	17	0.36
(2,706)	1:73:A:LEU:HD11	1:114:A:TRP:HB3	15	0.36
(2,706)	1:73:A:LEU:HD12	1:114:A:TRP:HB3	15	0.36
(2,706)	1:73:A:LEU:HD13	1:114:A:TRP:HB3	15	0.36
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	6	0.36
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	6	0.36
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	6	0.36
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	6	0.36
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	6	0.36
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	6	0.36
(2,703)	1:73:A:LEU:HD11	1:118:A:PHE:H	19	0.36
(2,703)	1:73:A:LEU:HD12	1:118:A:PHE:H	19	0.36
(2,703)	1:73:A:LEU:HD13	1:118:A:PHE:H	19	0.36
(2,702)	1:73:A:LEU:HD11	1:115:A:ILE:H	1	0.36
(2,702)	1:73:A:LEU:HD12	1:115:A:ILE:H	1	0.36
(2,702)	1:73:A:LEU:HD13	1:115:A:ILE:H	1	0.36
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	20	0.36
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	20	0.36
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	20	0.36
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	1	0.36
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	1	0.36
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	1	0.36
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	3	0.36
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	3	0.36
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	3	0.36
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	19	0.36
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	9	0.36
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	9	0.36
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	9	0.36
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	20	0.36
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	20	0.36
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	7	0.36
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	7	0.36
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	7	0.36
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD11	18	0.36
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD12	18	0.36
(2,483)	1:62:A:ILE:HA	1:62:A:ILE:HD13	18	0.36
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	10	0.36
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	10	0.36
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	10	0.36
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	10	0.36
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	10	0.36
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	10	0.36
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	10	0.36
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	10	0.36
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	10	0.36
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	11	0.36
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	12	0.36
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	19	0.36
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD11	6	0.36
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD12	6	0.36
(2,401)	1:85:A:VAL:HG11	1:52:A:LEU:HD13	6	0.36
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD11	6	0.36
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD12	6	0.36
(2,401)	1:85:A:VAL:HG12	1:52:A:LEU:HD13	6	0.36
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD11	6	0.36
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD12	6	0.36
(2,401)	1:85:A:VAL:HG13	1:52:A:LEU:HD13	6	0.36
(2,367)	1:66:A:LEU:HA	1:66:A:LEU:HG	17	0.36
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	13	0.36
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	13	0.36
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	13	0.36
(2,337)	1:26:A:LEU:HD21	1:49:A:LEU:HA	11	0.36
(2,337)	1:26:A:LEU:HD22	1:49:A:LEU:HA	11	0.36
(2,337)	1:26:A:LEU:HD23	1:49:A:LEU:HA	11	0.36
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	7	0.36
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	13	0.36
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	9	0.36
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	8	0.36
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	8	0.36
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	8	0.36
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	8	0.36
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	8	0.36
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	8	0.36
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	8	0.36
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	8	0.36
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	8	0.36
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	8	0.36
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	11	0.36
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	11	0.36
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	20	0.36
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	20	0.36
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	20	0.36
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	11	0.36
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	8	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	3	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	3	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	3	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	14	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	14	0.36
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	14	0.36
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	12	0.36
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	12	0.36
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	12	0.36
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	6	0.36
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	7	0.36
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	11	0.36
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	18	0.36
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	20	0.36
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	13	0.36
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	13	0.36
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	13	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	2	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	3	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	8	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	11	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	14	0.36
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	20	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	1	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	2	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	3	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	5	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	7	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	8	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	10	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	11	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	13	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	14	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	16	0.36
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	19	0.36
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	5	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	12	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	12	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	12	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	15	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	15	0.36
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	15	0.36
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	10	0.36
(2,169)	1:34:A:LEU:HA	1:108:A:PRO:HB2	18	0.36
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	9	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	1	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	4	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	5	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	11	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	12	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	13	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	14	0.36
(2,143)	1:31:A:ASP:HA	1:31:A:ASP:HB3	19	0.36
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	15	0.36
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	15	0.36
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	15	0.36
(2,134)	1:65:A:SER:HB2	1:65:A:SER:HA	19	0.36
(2,79)	1:26:A:LEU:HA	1:26:A:LEU:HB2	2	0.36
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	11	0.36
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	11	0.36
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	11	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	13	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	13	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	13	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	18	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	18	0.36
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	18	0.36
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	9	0.36
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	9	0.36
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	9	0.36
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	8	0.36
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	8	0.36
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	8	0.36
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	15	0.36
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	11	0.36
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	18	0.36
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	18	0.36
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	18	0.36
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	18	0.36
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	18	0.36
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	18	0.36
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	18	0.36
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	18	0.36
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	18	0.36
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	20	0.36
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	7	0.36
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	20	0.36
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	8	0.36
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	6	0.36
(1,711)	1:102:A:ILE:HD11	1:86:A:LYS:HG2	11	0.36
(1,711)	1:102:A:ILE:HD12	1:86:A:LYS:HG2	11	0.36
(1,711)	1:102:A:ILE:HD13	1:86:A:LYS:HG2	11	0.36
(1,696)	1:101:A:ARG:HB3	1:101:A:ARG:HD2	12	0.36
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	10	0.36
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	10	0.36
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	10	0.36
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	6	0.36
(1,594)	1:89:A:ILE:H	1:89:A:ILE:HG12	1	0.36
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	5	0.36
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	17	0.36
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	1	0.36
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	1	0.36
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	1	0.36
(1,471)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	4	0.36
(1,471)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	4	0.36
(1,471)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	4	0.36
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	1	0.36
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	1	0.36
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	1	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	1	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	1	0.36
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	1	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	1	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	1	0.36
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	1	0.36
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	9	0.36
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	9	0.36
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	4	0.36
(1,401)	1:71:A:LYS:HA	1:71:A:LYS:HB3	17	0.36
(1,400)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	19	0.36
(1,400)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	19	0.36
(1,400)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	19	0.36
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	9	0.36
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	11	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	2	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	2	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	2	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	9	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	9	0.36
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	9	0.36
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	7	0.36
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	19	0.36
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	9	0.36
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	17	0.36
(1,271)	1:57:A:LYS:HA	1:60:A:GLU:HB2	2	0.36
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	6	0.36
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	4	0.36
(1,207)	1:47:A:LEU:HD21	1:119:A:SER:HA	2	0.36
(1,207)	1:47:A:LEU:HD22	1:119:A:SER:HA	2	0.36
(1,207)	1:47:A:LEU:HD23	1:119:A:SER:HA	2	0.36
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD11	5	0.36
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD12	5	0.36
(1,112)	1:34:A:LEU:HA	1:34:A:LEU:HD13	5	0.36
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	15	0.36
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	15	0.36
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	15	0.36
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	10	0.36
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	10	0.36
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	10	0.36
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	10	0.36
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	10	0.36
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	10	0.36
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	1	0.36
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	1	0.36
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	1	0.36
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	16	0.35
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	16	0.35
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	16	0.35
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	13	0.35
(2,2811)	1:117:A:GLU:HB3	1:118:A:PHE:H	3	0.35
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	9	0.35
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	9	0.35
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	9	0.35
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	1	0.35
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	7	0.35
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	8	0.35
(2,2696)	1:107:A:SER:H	1:110:A:GLU:HG2	13	0.35
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	7	0.35
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	9	0.35
(2,2653)	1:101:A:ARG:HD2	1:102:A:ILE:H	19	0.35
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	15	0.35
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	15	0.35
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	15	0.35
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	18	0.35
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	18	0.35
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	18	0.35
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	19	0.35
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	15	0.35
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	16	0.35
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	17	0.35
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	11	0.35
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	14	0.35
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	4	0.35
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	2	0.35
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	2	0.35
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	2	0.35
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	13	0.35
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	13	0.35
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	13	0.35
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	3	0.35
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	3	0.35
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	3	0.35
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	10	0.35
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	10	0.35
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	10	0.35
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	2	0.35
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	15	0.35
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	3	0.35
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	10	0.35
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	19	0.35
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	1	0.35
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	11	0.35
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	11	0.35
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	11	0.35
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	1	0.35
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	2	0.35
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	12	0.35
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	16	0.35
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	16	0.35
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	16	0.35
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	9	0.35
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	1	0.35
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	13	0.35
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	8	0.35
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	16	0.35
(2,2226)	1:36:A:GLU:HG2	1:36:A:GLU:H	3	0.35
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	19	0.35
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	18	0.35
(2,2147)	1:26:A:LEU:HB2	1:27:A:ILE:H	14	0.35
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	1	0.35
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	1	0.35
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	1	0.35
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	2	0.35
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	15	0.35
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	4	0.35
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	6	0.35
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	9	0.35
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	15	0.35
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	2	0.35
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	9	0.35
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	15	0.35
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	4	0.35
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	6	0.35
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	6	0.35
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	6	0.35
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	6	0.35
(2,1958)	1:112:A:LYS:HD3	1:112:A:LYS:H	2	0.35
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	10	0.35
(2,1956)	1:112:A:LYS:HG3	1:112:A:LYS:H	11	0.35
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1948)	1:91:A:LYS:H	1:91:A:LYS:HB3	12	0.35
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	14	0.35
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	4	0.35
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	4	0.35
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	4	0.35
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	9	0.35
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	9	0.35
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	9	0.35
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	13	0.35
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	13	0.35
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	13	0.35
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	18	0.35
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	18	0.35
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	18	0.35
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	9	0.35
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	17	0.35
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	17	0.35
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	11	0.35
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	2	0.35
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	8	0.35
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	8	0.35
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	8	0.35
(2,1840)	1:83:A:ASP:HB2	1:83:A:ASP:H	7	0.35
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	8	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	1	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	1	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	1	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	4	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	4	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	4	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	5	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	5	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	5	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	7	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	7	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	7	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	15	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	15	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	15	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	18	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	18	0.35
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	16	0.35
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	5	0.35
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	15	0.35
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	4	0.35
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	20	0.35
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	1	0.35
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	1	0.35
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	20	0.35
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	15	0.35
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	5	0.35
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	16	0.35
(2,1592)	1:96:A:LYS:H	1:97:A:ASN:H	14	0.35
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	2	0.35
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	10	0.35
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	15	0.35
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	19	0.35
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	2	0.35
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	2	0.35
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	2	0.35
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	9	0.35
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	9	0.35
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	9	0.35
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	9	0.35
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	9	0.35
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	9	0.35
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	9	0.35
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	9	0.35
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	9	0.35
(2,1479)	1:58:A:LYS:HA	1:62:A:ILE:HG12	15	0.35
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	8	0.35
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	8	0.35
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	8	0.35
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	9	0.35
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	9	0.35
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	9	0.35
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	8	0.35
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	8	0.35
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	8	0.35
(2,1439)	1:45:A:ALA:HB1	1:119:A:SER:HB3	18	0.35
(2,1439)	1:45:A:ALA:HB2	1:119:A:SER:HB3	18	0.35
(2,1439)	1:45:A:ALA:HB3	1:119:A:SER:HB3	18	0.35
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	2	0.35
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	6	0.35
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	1	0.35
(2,1388)	1:115:A:ILE:HG21	1:42:A:ALA:HA	12	0.35
(2,1388)	1:115:A:ILE:HG22	1:42:A:ALA:HA	12	0.35
(2,1388)	1:115:A:ILE:HG23	1:42:A:ALA:HA	12	0.35
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	6	0.35
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	6	0.35
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	6	0.35
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	6	0.35
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	6	0.35
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	6	0.35
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	6	0.35
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	6	0.35
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	6	0.35
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	19	0.35
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	19	0.35
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	19	0.35
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	12	0.35
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	4	0.35
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	5	0.35
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	18	0.35
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	3	0.35
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	5	0.35
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	12	0.35
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	16	0.35
(2,1239)	1:27:A:ILE:HD11	1:29:A:SER:HB2	11	0.35
(2,1239)	1:27:A:ILE:HD12	1:29:A:SER:HB2	11	0.35
(2,1239)	1:27:A:ILE:HD13	1:29:A:SER:HB2	11	0.35
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	6	0.35
(2,1227)	1:107:A:SER:HB3	1:107:A:SER:HA	15	0.35
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	13	0.35
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	7	0.35
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	7	0.35
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	7	0.35
(2,1191)	1:105:A:VAL:HB	1:110:A:GLU:HB2	5	0.35
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	12	0.35
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	3	0.35
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	3	0.35
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	3	0.35
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	11	0.35
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	17	0.35
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	1	0.35
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	10	0.35
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	19	0.35
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	4	0.35
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	9	0.35
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	9	0.35
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	9	0.35
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	8	0.35
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	16	0.35
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	16	0.35
(2,907)	1:86:A:LYS:HB3	1:86:A:LYS:HD2	6	0.35
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	4	0.35
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	8	0.35
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	1	0.35
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	18	0.35
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	15	0.35
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	16	0.35
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	10	0.35
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	10	0.35
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	10	0.35
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	16	0.35
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	11	0.35
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	20	0.35
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	8	0.35
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	11	0.35
(2,781)	1:76:A:LEU:HD21	1:76:A:LEU:HA	5	0.35
(2,781)	1:76:A:LEU:HD22	1:76:A:LEU:HA	5	0.35
(2,781)	1:76:A:LEU:HD23	1:76:A:LEU:HA	5	0.35
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	10	0.35
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	10	0.35
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	10	0.35
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	17	0.35
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	17	0.35
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	17	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	1	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	1	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	1	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	5	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	5	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	5	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	13	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	13	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	18	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	18	0.35
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	18	0.35
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	17	0.35
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	17	0.35
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	17	0.35
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	1	0.35
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	3	0.35
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	3	0.35
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	3	0.35
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	8	0.35
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	20	0.35
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	2	0.35
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	5	0.35
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	14	0.35
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	14	0.35
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	14	0.35
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	17	0.35
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	19	0.35
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	10	0.35
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	10	0.35
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	10	0.35
(2,418)	1:56:A:ASP:HB2	1:56:A:ASP:HA	6	0.35
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	11	0.35
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	5	0.35
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	8	0.35
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	1	0.35
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	5	0.35
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	10	0.35
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	7	0.35
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	14	0.35
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	20	0.35
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	3	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	1	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	5	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	6	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	7	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	9	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	11	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	14	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	15	0.35
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	19	0.35
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	14	0.35
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	7	0.35
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	7	0.35
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	7	0.35
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	20	0.35
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	3	0.35
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	4	0.35
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	12	0.35
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	14	0.35
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	15	0.35
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	18	0.35
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	18	0.35
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	18	0.35
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	18	0.35
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	18	0.35
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	18	0.35
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	18	0.35
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	18	0.35
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	18	0.35
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	19	0.35
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	19	0.35
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	19	0.35
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	4	0.35
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	9	0.35
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	10	0.35
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	19	0.35
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	9	0.35
(2,229)	1:43:A:GLU:HB3	1:43:A:GLU:HA	20	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	1	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	2	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	3	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	4	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	6	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	7	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	8	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	9	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	10	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	11	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	13	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	14	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	15	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	16	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	17	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	18	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	19	0.35
(2,201)	1:35:A:ILE:HA	1:35:A:ILE:HB	20	0.35
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	9	0.35
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	9	0.35
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	9	0.35
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	1	0.35
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	9	0.35
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	17	0.35
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	3	0.35
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	10	0.35
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	1	0.35
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	1	0.35
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	1	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	12	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	12	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	12	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	12	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	12	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	12	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	12	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	12	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	12	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	16	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	16	0.35
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	16	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	16	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	16	0.35
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	16	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	16	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	16	0.35
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	16	0.35
(2,85)	1:26:A:LEU:HB2	1:26:A:LEU:HG	11	0.35
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	17	0.35
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	17	0.35
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	17	0.35
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	2	0.35
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	2	0.35
(2,38)	1:24:A:LEU:HB2	1:72:A:ILE:HG12	8	0.35
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	20	0.35
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	20	0.35
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	20	0.35
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	2	0.35
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	2	0.35
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	2	0.35
(1,2210)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	5	0.35
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	16	0.35
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	14	0.35
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	14	0.35
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	14	0.35
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	17	0.35
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	1	0.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	10	0.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	10	0.35
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	10	0.35
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	1	0.35
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	5	0.35
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	17	0.35
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	14	0.35
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	15	0.35
(1,986)	1:113:A:ARG:HG2	1:113:A:ARG:HD2	11	0.35
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	10	0.35
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	10	0.35
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	10	0.35
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	16	0.35
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD11	8	0.35
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD12	8	0.35
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD13	8	0.35
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD11	8	0.35
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD12	8	0.35
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD13	8	0.35
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD11	8	0.35
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD12	8	0.35
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD13	8	0.35
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	3	0.35
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	10	0.35
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	18	0.35
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	11	0.35
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	11	0.35
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	11	0.35
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	17	0.35
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	17	0.35
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	17	0.35
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	7	0.35
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	4	0.35
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	13	0.35
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	20	0.35
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	12	0.35
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	11	0.35
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	11	0.35
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	11	0.35
(1,463)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	18	0.35
(1,463)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	18	0.35
(1,463)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	18	0.35
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD21	5	0.35
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD22	5	0.35
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD23	5	0.35
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	2	0.35
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	2	0.35
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	2	0.35
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	7	0.35
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	10	0.35
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	18	0.35
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	3	0.35
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	4	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	11	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	11	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	11	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	19	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	19	0.35
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	19	0.35
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	1	0.35
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	2	0.35
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	12	0.35
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	3	0.35
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	19	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	4	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	4	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	4	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	19	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	19	0.35
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	19	0.35
(2,2814)	1:73:A:LEU:HD11	1:118:A:PHE:H	12	0.34
(2,2814)	1:73:A:LEU:HD12	1:118:A:PHE:H	12	0.34
(2,2814)	1:73:A:LEU:HD13	1:118:A:PHE:H	12	0.34
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	1	0.34
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	13	0.34
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	13	0.34
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	13	0.34
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	17	0.34
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	7	0.34
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	3	0.34
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	10	0.34
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	6	0.34
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	17	0.34
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	8	0.34
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	2	0.34
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	7	0.34
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	10	0.34
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	10	0.34
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	10	0.34
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	6	0.34
(2,2443)	1:73:A:LEU:HD11	1:75:A:LEU:H	14	0.34
(2,2443)	1:73:A:LEU:HD12	1:75:A:LEU:H	14	0.34
(2,2443)	1:73:A:LEU:HD13	1:75:A:LEU:H	14	0.34
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	15	0.34
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	4	0.34
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	4	0.34
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	4	0.34
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	5	0.34
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	5	0.34
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	5	0.34
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	15	0.34
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	15	0.34
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	15	0.34
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	6	0.34
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	6	0.34
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	19	0.34
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	19	0.34
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	19	0.34
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	7	0.34
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	7	0.34
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	7	0.34
(2,2371)	1:59:A:ILE:HA	1:62:A:ILE:H	11	0.34
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	4	0.34
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	4	0.34
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	4	0.34
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	1	0.34
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	19	0.34
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	19	0.34
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	19	0.34
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	19	0.34
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	16	0.34
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	15	0.34
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	4	0.34
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	7	0.34
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	20	0.34
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	6	0.34
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	8	0.34
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	16	0.34
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	14	0.34
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	2	0.34
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	16	0.34
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	2	0.34
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	4	0.34
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	20	0.34
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	3	0.34
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	3	0.34
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	3	0.34
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	2	0.34
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	2	0.34
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	2	0.34
(2,2119)	1:66:A:LEU:HD11	1:23:A:LEU:H	6	0.34
(2,2119)	1:66:A:LEU:HD12	1:23:A:LEU:H	6	0.34
(2,2119)	1:66:A:LEU:HD13	1:23:A:LEU:H	6	0.34
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	1	0.34
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	11	0.34
(2,2087)	1:95:A:LYS:H	1:95:A:LYS:HB2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	18	0.34
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	6	0.34
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	15	0.34
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	8	0.34
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	5	0.34
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	6	0.34
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	7	0.34
(2,2040)	1:110:A:GLU:HG2	1:110:A:GLU:H	9	0.34
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	4	0.34
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	12	0.34
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	16	0.34
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	13	0.34
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	16	0.34
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	9	0.34
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	12	0.34
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	14	0.34
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	6	0.34
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	1	0.34
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	11	0.34
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	4	0.34
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	20	0.34
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	1	0.34
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	17	0.34
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	2	0.34
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	3	0.34
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	15	0.34
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	8	0.34
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	8	0.34
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	8	0.34
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	10	0.34
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	10	0.34
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	10	0.34
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	15	0.34
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	15	0.34
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	15	0.34
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	16	0.34
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	16	0.34
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	16	0.34
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	17	0.34
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	17	0.34
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	17	0.34
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	13	0.34
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	14	0.34
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	19	0.34
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	19	0.34
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	18	0.34
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	7	0.34
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	7	0.34
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	7	0.34
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	19	0.34
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	19	0.34
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	19	0.34
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	5	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	2	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	2	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	2	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	3	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	3	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	3	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	17	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	17	0.34
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	17	0.34
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	1	0.34
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	12	0.34
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	14	0.34
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	1	0.34
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	2	0.34
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	15	0.34
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	7	0.34
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	13	0.34
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	10	0.34
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	10	0.34
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	10	0.34
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	13	0.34
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	13	0.34
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	13	0.34
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	14	0.34
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	3	0.34
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	9	0.34
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	12	0.34
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	16	0.34
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	6	0.34
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	11	0.34
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	18	0.34
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	1	0.34
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	3	0.34
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	4	0.34
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	12	0.34
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	13	0.34
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	13	0.34
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	13	0.34
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	14	0.34
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	14	0.34
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	14	0.34
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	1	0.34
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	1	0.34
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	1	0.34
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	1	0.34
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	1	0.34
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	1	0.34
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	1	0.34
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	1	0.34
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	1	0.34
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	11	0.34
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	11	0.34
(2,1497)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	11	0.34
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	11	0.34
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	7	0.34
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	7	0.34
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	7	0.34
(2,1441)	1:47:A:LEU:HD21	1:119:A:SER:HB2	8	0.34
(2,1441)	1:47:A:LEU:HD22	1:119:A:SER:HB2	8	0.34
(2,1441)	1:47:A:LEU:HD23	1:119:A:SER:HB2	8	0.34
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	11	0.34
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	11	0.34
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	11	0.34
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	15	0.34
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	9	0.34
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	9	0.34
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	9	0.34
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	20	0.34
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	9	0.34
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	9	0.34
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	9	0.34
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	9	0.34
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	9	0.34
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	9	0.34
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	9	0.34
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	9	0.34
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	2	0.34
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	2	0.34
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	2	0.34
(2,1375)	1:115:A:ILE:HD11	1:115:A:ILE:H	3	0.34
(2,1375)	1:115:A:ILE:HD12	1:115:A:ILE:H	3	0.34
(2,1375)	1:115:A:ILE:HD13	1:115:A:ILE:H	3	0.34
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	14	0.34
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	14	0.34
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	14	0.34
(2,1362)	1:118:A:PHE:HD1	1:115:A:ILE:HA	15	0.34
(2,1362)	1:118:A:PHE:HD2	1:115:A:ILE:HA	15	0.34
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	4	0.34
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	13	0.34
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	18	0.34
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	9	0.34
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	7	0.34
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	7	0.34
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	7	0.34
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	16	0.34
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	4	0.34
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	8	0.34
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	9	0.34
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	14	0.34
(2,1256)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	19	0.34
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	16	0.34
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	16	0.34
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	16	0.34
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	18	0.34
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	6	0.34
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	6	0.34
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	6	0.34
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	15	0.34
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	10	0.34
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	1	0.34
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	13	0.34
(2,1159)	1:104:A:LYS:HA	1:78:A:ASP:HB2	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	1	0.34
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	4	0.34
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	9	0.34
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	9	0.34
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	9	0.34
(2,1065)	1:100:A:VAL:HG11	1:100:A:VAL:H	13	0.34
(2,1065)	1:100:A:VAL:HG12	1:100:A:VAL:H	13	0.34
(2,1065)	1:100:A:VAL:HG13	1:100:A:VAL:H	13	0.34
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	12	0.34
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	9	0.34
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	18	0.34
(2,991)	1:97:A:ASN:H	1:97:A:ASN:HB3	18	0.34
(2,985)	1:98:A:LEU:HD11	1:96:A:LYS:HB2	19	0.34
(2,985)	1:98:A:LEU:HD12	1:96:A:LYS:HB2	19	0.34
(2,985)	1:98:A:LEU:HD13	1:96:A:LYS:HB2	19	0.34
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	18	0.34
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	3	0.34
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	14	0.34
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	4	0.34
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	16	0.34
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	10	0.34
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	10	0.34
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	10	0.34
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	2	0.34
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	2	0.34
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	2	0.34
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	18	0.34
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	20	0.34
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	2	0.34
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	1	0.34
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	6	0.34
(2,837)	1:82:A:ALA:HB1	1:28:A:TRP:HZ3	7	0.34
(2,837)	1:82:A:ALA:HB2	1:28:A:TRP:HZ3	7	0.34
(2,837)	1:82:A:ALA:HB3	1:28:A:TRP:HZ3	7	0.34
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	2	0.34
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	2	0.34
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	2	0.34
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB1	1	0.34
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB2	1	0.34
(2,831)	1:76:A:LEU:HD21	1:82:A:ALA:HB3	1	0.34
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB1	1	0.34
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB2	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:76:A:LEU:HD22	1:82:A:ALA:HB3	1	0.34
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB1	1	0.34
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB2	1	0.34
(2,831)	1:76:A:LEU:HD23	1:82:A:ALA:HB3	1	0.34
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	2	0.34
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	17	0.34
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	12	0.34
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	4	0.34
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	13	0.34
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	18	0.34
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	18	0.34
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	18	0.34
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	2	0.34
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	2	0.34
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	2	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	3	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	3	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	3	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	4	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	4	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	4	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	10	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	10	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	10	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	15	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	15	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	15	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	17	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	17	0.34
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	17	0.34
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	10	0.34
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	10	0.34
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	10	0.34
(2,693)	1:73:A:LEU:HD21	1:114:A:TRP:HB3	10	0.34
(2,693)	1:73:A:LEU:HD22	1:114:A:TRP:HB3	10	0.34
(2,693)	1:73:A:LEU:HD23	1:114:A:TRP:HB3	10	0.34
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	8	0.34
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	8	0.34
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	8	0.34
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	2	0.34
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	2	0.34
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	2	0.34
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	2	0.34
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	2	0.34
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	14	0.34
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	14	0.34
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	14	0.34
(2,650)	1:24:A:LEU:HB2	1:72:A:ILE:HA	12	0.34
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	8	0.34
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	14	0.34
(2,600)	1:70:A:VAL:HG21	1:70:A:VAL:HA	15	0.34
(2,600)	1:70:A:VAL:HG22	1:70:A:VAL:HA	15	0.34
(2,600)	1:70:A:VAL:HG23	1:70:A:VAL:HA	15	0.34
(2,569)	1:68:A:PRO:HB2	1:68:A:PRO:HD2	2	0.34
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	9	0.34
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	20	0.34
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	2	0.34
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	10	0.34
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	10	0.34
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	10	0.34
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	18	0.34
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	18	0.34
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	18	0.34
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	10	0.34
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	11	0.34
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	18	0.34
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD11	12	0.34
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD12	12	0.34
(2,402)	1:28:A:TRP:HB2	1:52:A:LEU:HD13	12	0.34
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	6	0.34
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	6	0.34
(2,359)	1:51:A:THR:HB	1:51:A:THR:H	20	0.34
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	14	0.34
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	14	0.34
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	14	0.34
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	2	0.34
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	15	0.34
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	15	0.34
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	19	0.34
(2,333)	1:25:A:VAL:HB	1:49:A:LEU:HA	8	0.34
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	3	0.34
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	3	0.34
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	15	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	2	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	3	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	4	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	10	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	12	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	16	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	17	0.34
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	18	0.34
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	16	0.34
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	16	0.34
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	16	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	16	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	16	0.34
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	16	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	16	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	16	0.34
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	16	0.34
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	3	0.34
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	9	0.34
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	9	0.34
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	9	0.34
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB1	13	0.34
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB2	13	0.34
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB3	13	0.34
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB1	13	0.34
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB2	13	0.34
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB3	13	0.34
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB1	13	0.34
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB2	13	0.34
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB3	13	0.34
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	10	0.34
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	13	0.34
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	17	0.34
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	6	0.34
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	16	0.34
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	15	0.34
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	15	0.34
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	15	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	3	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	4	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	10	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	12	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	14	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	15	0.34
(2,196)	1:34:A:LEU:HB3	1:34:A:LEU:HG	20	0.34
(2,195)	1:34:A:LEU:HB2	1:34:A:LEU:HG	6	0.34
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	4	0.34
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	4	0.34
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	4	0.34
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	4	0.34
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	4	0.34
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	4	0.34
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	4	0.34
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	4	0.34
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	4	0.34
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	19	0.34
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	18	0.34
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	18	0.34
(2,117)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	18	0.34
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	18	0.34
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	18	0.34
(2,117)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	18	0.34
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	18	0.34
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	18	0.34
(2,117)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	18	0.34
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	20	0.34
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	20	0.34
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	20	0.34
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	5	0.34
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	5	0.34
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	5	0.34
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	9	0.34
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	9	0.34
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	9	0.34
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	5	0.34
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	5	0.34
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	5	0.34
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	14	0.34
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	14	0.34
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	14	0.34
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	8	0.34
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	6	0.34
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	13	0.34
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	14	0.34
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	17	0.34
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	12	0.34
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	12	0.34
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	12	0.34
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	3	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	9	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	9	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	9	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	19	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	19	0.34
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	19	0.34
(1,1778)	1:71:A:LYS:H	1:71:A:LYS:HD2	5	0.34
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	17	0.34
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	3	0.34
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	12	0.34
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	12	0.34
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	12	0.34
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	15	0.34
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	16	0.34
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	4	0.34
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	13	0.34
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	20	0.34
(1,996)	1:53:A:GLU:H	1:53:A:GLU:HB3	10	0.34
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	6	0.34
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	7	0.34
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	7	0.34
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	7	0.34
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	7	0.34
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	7	0.34
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	7	0.34
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	7	0.34
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	7	0.34
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	7	0.34
(1,912)	1:117:A:GLU:HB2	1:117:A:GLU:HG3	7	0.34
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	1	0.34
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	7	0.34
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	9	0.34
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	10	0.34
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	12	0.34
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	12	0.34
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	12	0.34
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	4	0.34
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	6	0.34
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD11	12	0.34
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD12	12	0.34
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD13	12	0.34
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD11	12	0.34
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD12	12	0.34
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD13	12	0.34
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD11	12	0.34
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD12	12	0.34
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD13	12	0.34
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	8	0.34
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	7	0.34
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	10	0.34
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	10	0.34
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	10	0.34
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	4	0.34
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	13	0.34
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	11	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	14	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	14	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	14	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	16	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	16	0.34
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	16	0.34
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	6	0.34
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	20	0.34
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	2	0.34
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	4	0.34
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	20	0.34
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	6	0.34
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	8	0.34
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	8	0.34
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	8	0.34
(1,168)	1:112:A:LYS:HB2	1:41:A:MET:HG3	11	0.34
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	1	0.33
(2,2810)	1:117:A:GLU:HB2	1:118:A:PHE:H	15	0.33
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	14	0.33
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	1	0.33
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	1	0.33
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	1	0.33
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	3	0.33
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	3	0.33
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	3	0.33
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	20	0.33
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	20	0.33
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	20	0.33
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	3	0.33
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	3	0.33
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	3	0.33
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	12	0.33
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	13	0.33
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	18	0.33
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	17	0.33
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	17	0.33
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	17	0.33
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	9	0.33
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	15	0.33
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	1	0.33
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	1	0.33
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	1	0.33
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	10	0.33
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	10	0.33
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	10	0.33
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	6	0.33
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	3	0.33
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	11	0.33
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	4	0.33
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	4	0.33
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	4	0.33
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	1	0.33
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	3	0.33
(2,2442)	1:74:A:VAL:HG21	1:75:A:LEU:H	19	0.33
(2,2442)	1:74:A:VAL:HG22	1:75:A:LEU:H	19	0.33
(2,2442)	1:74:A:VAL:HG23	1:75:A:LEU:H	19	0.33
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	4	0.33
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	3	0.33
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	3	0.33
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	3	0.33
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	3	0.33
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	15	0.33
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	1	0.33
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	12	0.33
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	15	0.33
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	5	0.33
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	6	0.33
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	6	0.33
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	6	0.33
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	3	0.33
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	3	0.33
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	3	0.33
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	10	0.33
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	3	0.33
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	5	0.33
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	18	0.33
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	18	0.33
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	18	0.33
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	7	0.33
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	7	0.33
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	7	0.33
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	14	0.33
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	4	0.33
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	1	0.33
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	9	0.33
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	14	0.33
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	15	0.33
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	9	0.33
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	2	0.33
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	2	0.33
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	10	0.33
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	12	0.33
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	20	0.33
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	6	0.33
(2,2132)	1:25:A:VAL:H	1:48:A:TYR:HB2	7	0.33
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	10	0.33
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	10	0.33
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	10	0.33
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	9	0.33
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	18	0.33
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	2	0.33
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	9	0.33
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	9	0.33
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	5	0.33
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	8	0.33
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	10	0.33
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	8	0.33
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	15	0.33
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	11	0.33
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	12	0.33
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	17	0.33
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	8	0.33
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	8	0.33
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	8	0.33
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	11	0.33
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	14	0.33
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	13	0.33
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	7	0.33
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	0.33
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	19	0.33
(2,1918)	1:43:A:GLU:H	1:43:A:GLU:HG3	12	0.33
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	9	0.33
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	16	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	3	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	3	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	3	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	6	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	6	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	6	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	7	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	7	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	7	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	11	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	11	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	11	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	14	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	14	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	14	0.33
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	20	0.33
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	20	0.33
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	20	0.33
(2,1885)	1:104:A:LYS:HG2	1:104:A:LYS:H	15	0.33
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	20	0.33
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	9	0.33
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	11	0.33
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	11	0.33
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	11	0.33
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	18	0.33
(2,1814)	1:71:A:LYS:HB3	1:71:A:LYS:H	19	0.33
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	14	0.33
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	7	0.33
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	13	0.33
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	4	0.33
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	6	0.33
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	17	0.33
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	17	0.33
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	17	0.33
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	18	0.33
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	5	0.33
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	7	0.33
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	3	0.33
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	15	0.33
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	4	0.33
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	5	0.33
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	10	0.33
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	6	0.33
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	13	0.33
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	15	0.33
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	2	0.33
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	1	0.33
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	1	0.33
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	1	0.33
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	4	0.33
(2,1412)	1:118:A:PHE:HD1	1:118:A:PHE:HA	7	0.33
(2,1412)	1:118:A:PHE:HD2	1:118:A:PHE:HA	7	0.33
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	12	0.33
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	14	0.33
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	15	0.33
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	15	0.33
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	15	0.33
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	14	0.33
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	14	0.33
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	14	0.33
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	14	0.33
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	14	0.33
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	14	0.33
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	14	0.33
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	14	0.33
(2,1301)	1:105:A:VAL:HG21	1:111:A:ALA:HA	18	0.33
(2,1301)	1:105:A:VAL:HG22	1:111:A:ALA:HA	18	0.33
(2,1301)	1:105:A:VAL:HG23	1:111:A:ALA:HA	18	0.33
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	1	0.33
(2,1272)	1:110:A:GLU:HB3	1:110:A:GLU:HA	12	0.33
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	19	0.33
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	20	0.33
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	20	0.33
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	20	0.33
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	9	0.33
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	2	0.33
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	6	0.33
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	15	0.33
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	8	0.33
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	9	0.33
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	20	0.33
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	13	0.33
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	8	0.33
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	8	0.33
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	8	0.33
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	6	0.33
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	6	0.33
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	6	0.33
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	6	0.33
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	6	0.33
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	6	0.33
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	6	0.33
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	6	0.33
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	6	0.33
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	5	0.33
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	1	0.33
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	10	0.33
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	12	0.33
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	2	0.33
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	20	0.33
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	20	0.33
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	11	0.33
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	11	0.33
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	11	0.33
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	19	0.33
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	3	0.33
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	7	0.33
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	19	0.33
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	2	0.33
(2,942)	1:90:A:GLU:H	1:90:A:GLU:HA	8	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	4	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	8	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	9	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	10	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	17	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	19	0.33
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	20	0.33
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	14	0.33
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	13	0.33
(2,842)	1:83:A:ASP:HA	1:86:A:LYS:HB3	8	0.33
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	16	0.33
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	16	0.33
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	16	0.33
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	16	0.33
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	16	0.33
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	16	0.33
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	16	0.33
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	16	0.33
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	16	0.33
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	3	0.33
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	4	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	2	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	2	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	2	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	7	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	7	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	7	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	19	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	19	0.33
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	19	0.33
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	13	0.33
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	13	0.33
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	13	0.33
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	13	0.33
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	13	0.33
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	13	0.33
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	13	0.33
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	13	0.33
(2,702)	1:73:A:LEU:HD11	1:115:A:ILE:H	8	0.33
(2,702)	1:73:A:LEU:HD12	1:115:A:ILE:H	8	0.33
(2,702)	1:73:A:LEU:HD13	1:115:A:ILE:H	8	0.33
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	1	0.33
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	1	0.33
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	1	0.33
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	16	0.33
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	16	0.33
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	16	0.33
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	4	0.33
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	2	0.33
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	2	0.33
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	2	0.33
(2,672)	1:72:A:ILE:HG21	1:100:A:VAL:HA	1	0.33
(2,672)	1:72:A:ILE:HG22	1:100:A:VAL:HA	1	0.33
(2,672)	1:72:A:ILE:HG23	1:100:A:VAL:HA	1	0.33
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	17	0.33
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	17	0.33
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	17	0.33
(2,666)	1:72:A:ILE:HG21	1:72:A:ILE:H	6	0.33
(2,666)	1:72:A:ILE:HG22	1:72:A:ILE:H	6	0.33
(2,666)	1:72:A:ILE:HG23	1:72:A:ILE:H	6	0.33
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	20	0.33
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	20	0.33
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	20	0.33
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	13	0.33
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	12	0.33
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	12	0.33
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	12	0.33
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	18	0.33
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	18	0.33
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	18	0.33
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	4	0.33
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	17	0.33
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	2	0.33
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	2	0.33
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	6	0.33
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	6	0.33
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	6	0.33
(2,497)	1:66:A:LEU:HG	1:63:A:LEU:HA	10	0.33
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	9	0.33
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	14	0.33
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	8	0.33
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	11	0.33
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	11	0.33
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	11	0.33
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	11	0.33
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	11	0.33
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	11	0.33
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	11	0.33
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	11	0.33
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	11	0.33
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	16	0.33
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	18	0.33
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	3	0.33
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	7	0.33
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD11	15	0.33
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD12	15	0.33
(2,405)	1:52:A:LEU:H	1:52:A:LEU:HD13	15	0.33
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	14	0.33
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	14	0.33
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	14	0.33
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD11	19	0.33
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD12	19	0.33
(2,393)	1:50:A:LEU:H	1:50:A:LEU:HD13	19	0.33
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	11	0.33
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	7	0.33
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	7	0.33
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	7	0.33
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	2	0.33
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	2	0.33
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	2	0.33
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	7	0.33
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	7	0.33
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	7	0.33
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	14	0.33
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	14	0.33
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	9	0.33
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	9	0.33
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	9	0.33
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	9	0.33
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	9	0.33
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	9	0.33
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	9	0.33
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	9	0.33
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	9	0.33
(2,336)	1:49:A:LEU:HB2	1:49:A:LEU:HA	9	0.33
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	8	0.33
(2,332)	1:49:A:LEU:HA	1:25:A:VAL:H	20	0.33
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	4	0.33
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	19	0.33
(2,314)	1:46:A:ASN:H	1:46:A:ASN:HA	20	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	7	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	7	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	7	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	12	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	12	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	12	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	13	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	13	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	13	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	20	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	20	0.33
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	20	0.33
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	2	0.33
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	18	0.33
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	18	0.33
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	18	0.33
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	4	0.33
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	13	0.33
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	13	0.33
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	13	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	12	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	12	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	12	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	12	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	12	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	12	0.33
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	12	0.33
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	12	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	13	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	13	0.33
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	13	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	13	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	13	0.33
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	13	0.33
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	13	0.33
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	13	0.33
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	13	0.33
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB1	16	0.33
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB2	16	0.33
(2,240)	1:35:A:ILE:HA	1:38:A:ALA:HB3	16	0.33
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	7	0.33
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	6	0.33
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	6	0.33
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	6	0.33
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	1	0.33
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	9	0.33
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	17	0.33
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	5	0.33
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	20	0.33
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	18	0.33
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	10	0.33
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	12	0.33
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	2	0.33
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	2	0.33
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	2	0.33
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	15	0.33
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	15	0.33
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	15	0.33
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	14	0.33
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	14	0.33
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	14	0.33
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	1	0.33
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	1	0.33
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	1	0.33
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD21	19	0.33
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD22	19	0.33
(2,61)	1:25:A:VAL:HB	1:49:A:LEU:HD23	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	18	0.33
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	3	0.33
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	14	0.33
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	14	0.33
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	14	0.33
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	11	0.33
(2,8)	1:23:A:LEU:HA	1:23:A:LEU:HB2	15	0.33
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	9	0.33
(1,1870)	1:116:A:LYS:H	1:118:A:PHE:HB3	18	0.33
(1,1702)	1:106:A:THR:H	1:110:A:GLU:HG2	17	0.33
(1,1655)	1:70:A:VAL:H	1:22:A:GLY:HA2	14	0.33
(1,1596)	1:62:A:ILE:H	1:62:A:ILE:HG13	3	0.33
(1,1479)	1:105:A:VAL:H	1:76:A:LEU:HB2	11	0.33
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	11	0.33
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	5	0.33
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	19	0.33
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	17	0.33
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	18	0.33
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	5	0.33
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	5	0.33
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	5	0.33
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	8	0.33
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	8	0.33
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	8	0.33
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	4	0.33
(1,800)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	18	0.33
(1,800)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	18	0.33
(1,800)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	18	0.33
(1,787)	1:27:A:ILE:HD11	1:29:A:SER:HB2	5	0.33
(1,787)	1:27:A:ILE:HD12	1:29:A:SER:HB2	5	0.33
(1,787)	1:27:A:ILE:HD13	1:29:A:SER:HB2	5	0.33
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	2	0.33
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	4	0.33
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	8	0.33
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	3	0.33
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	20	0.33
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	12	0.33
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD1	11	0.33
(1,701)	1:101:A:ARG:HD2	1:118:A:PHE:HD2	11	0.33
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG11	1	0.33
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG12	1	0.33
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG13	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	10	0.33
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	13	0.33
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	17	0.33
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	2	0.33
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	9	0.33
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	14	0.33
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	16	0.33
(1,625)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	1	0.33
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	17	0.33
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	18	0.33
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	16	0.33
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	7	0.33
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	7	0.33
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	7	0.33
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	5	0.33
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD11	10	0.33
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD12	10	0.33
(1,529)	1:82:A:ALA:HB1	1:76:A:LEU:HD13	10	0.33
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD11	10	0.33
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD12	10	0.33
(1,529)	1:82:A:ALA:HB2	1:76:A:LEU:HD13	10	0.33
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD11	10	0.33
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD12	10	0.33
(1,529)	1:82:A:ALA:HB3	1:76:A:LEU:HD13	10	0.33
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	20	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	16	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	16	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	16	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	18	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	18	0.33
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	18	0.33
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	1	0.33
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	3	0.33
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	6	0.33
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	15	0.33
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	16	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	6	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	6	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	6	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	13	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	13	0.33
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	4	0.33
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	5	0.33
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	17	0.33
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	1	0.33
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	2	0.33
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	7	0.33
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	12	0.33
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	19	0.33
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	14	0.33
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	18	0.33
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	18	0.33
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	18	0.33
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	18	0.33
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	15	0.33
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	15	0.33
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	15	0.33
(1,71)	1:29:A:SER:HA	1:77:A:GLU:HB2	17	0.33
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	14	0.33
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	14	0.33
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	14	0.33
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	3	0.32
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	3	0.32
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	3	0.32
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	5	0.32
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	17	0.32
(2,2811)	1:117:A:GLU:HB3	1:118:A:PHE:H	20	0.32
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	14	0.32
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	5	0.32
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	3	0.32
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	3	0.32
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	3	0.32
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	11	0.32
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	11	0.32
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	11	0.32
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	4	0.32
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	13	0.32
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	8	0.32
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	8	0.32
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	8	0.32
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	15	0.32
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	11	0.32
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	11	0.32
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	10	0.32
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	13	0.32
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	19	0.32
(2,2665)	1:103:A:ARG:H	1:104:A:LYS:HG2	16	0.32
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	2	0.32
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	14	0.32
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	10	0.32
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	1	0.32
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	11	0.32
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	1	0.32
(2,2522)	1:82:A:ALA:H	1:83:A:ASP:HB3	10	0.32
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	13	0.32
(2,2490)	1:78:A:ASP:H	1:105:A:VAL:H	2	0.32
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	20	0.32
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	8	0.32
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	12	0.32
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	5	0.32
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	5	0.32
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	5	0.32
(2,2350)	1:51:A:THR:HG1	1:52:A:LEU:H	5	0.32
(2,2348)	1:51:A:THR:HA	1:52:A:LEU:H	6	0.32
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	18	0.32
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	18	0.32
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	18	0.32
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	11	0.32
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	18	0.32
(2,2240)	1:37:A:GLU:HB2	1:38:A:ALA:H	10	0.32
(2,2238)	1:37:A:GLU:HG2	1:38:A:ALA:H	9	0.32
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	13	0.32
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	13	0.32
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	20	0.32
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	3	0.32
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	3	0.32
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	16	0.32
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	7	0.32
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	13	0.32
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	7	0.32
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	12	0.32
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	12	0.32
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	12	0.32
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	7	0.32
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	7	0.32
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	16	0.32
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	1	0.32
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	16	0.32
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	10	0.32
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	15	0.32
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	5	0.32
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	3	0.32
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	5	0.32
(2,2065)	1:90:A:GLU:H	1:90:A:GLU:HG2	17	0.32
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	10	0.32
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	18	0.32
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	8	0.32
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	2	0.32
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	18	0.32
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	19	0.32
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	10	0.32
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	19	0.32
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	2	0.32
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	9	0.32
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	13	0.32
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	10	0.32
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	9	0.32
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	13	0.32
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	8	0.32
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	13	0.32
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	4	0.32
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	8	0.32
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	1	0.32
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	1	0.32
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	1	0.32
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	2	0.32
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	2	0.32
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	2	0.32
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	5	0.32
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	5	0.32
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	5	0.32
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	19	0.32
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	19	0.32
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	19	0.32
(2,1898)	1:109:A:ASP:H	1:109:A:ASP:HB2	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	8	0.32
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	1	0.32
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	13	0.32
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	17	0.32
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	6	0.32
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	15	0.32
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	20	0.32
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	1	0.32
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	2	0.32
(2,1805)	1:66:A:LEU:HG	1:66:A:LEU:H	19	0.32
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	17	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	1	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	3	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	4	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	5	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	6	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	10	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	17	0.32
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	19	0.32
(2,1775)	1:51:A:THR:HB	1:51:A:THR:H	8	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	6	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	8	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	11	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	12	0.32
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	20	0.32
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	18	0.32
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	18	0.32
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	18	0.32
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	16	0.32
(2,1735)	1:27:A:ILE:HD11	1:27:A:ILE:H	12	0.32
(2,1735)	1:27:A:ILE:HD12	1:27:A:ILE:H	12	0.32
(2,1735)	1:27:A:ILE:HD13	1:27:A:ILE:H	12	0.32
(2,1714)	1:23:A:LEU:HG	1:23:A:LEU:H	10	0.32
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	10	0.32
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	13	0.32
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	16	0.32
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	1	0.32
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	19	0.32
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	4	0.32
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	5	0.32
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	6	0.32
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	5	0.32
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	5	0.32
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	5	0.32
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	4	0.32
(2,1554)	1:91:A:LYS:H	1:91:A:LYS:HB3	8	0.32
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	7	0.32
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	10	0.32
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	10	0.32
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	10	0.32
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	10	0.32
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	10	0.32
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	10	0.32
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	10	0.32
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	10	0.32
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	10	0.32
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	19	0.32
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	6	0.32
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	6	0.32
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	6	0.32
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	16	0.32
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	16	0.32
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	16	0.32
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	17	0.32
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	17	0.32
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	17	0.32
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	18	0.32
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	2	0.32
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	11	0.32
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	6	0.32
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	10	0.32
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	16	0.32
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	20	0.32
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	9	0.32
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	9	0.32
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	9	0.32
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	11	0.32
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	14	0.32
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	14	0.32
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	14	0.32
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	18	0.32
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	18	0.32
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	5	0.32
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	7	0.32
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	18	0.32
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	12	0.32
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	10	0.32
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	10	0.32
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	10	0.32
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	10	0.32
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	10	0.32
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	10	0.32
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	10	0.32
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	10	0.32
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	10	0.32
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	14	0.32
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	14	0.32
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	14	0.32
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	2	0.32
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	3	0.32
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	5	0.32
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	5	0.32
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	12	0.32
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	10	0.32
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	10	0.32
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	10	0.32
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	8	0.32
(2,1230)	1:107:A:SER:HB3	1:107:A:SER:H	17	0.32
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	3	0.32
(2,1221)	1:106:A:THR:H	1:106:A:THR:HB	3	0.32
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	6	0.32
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	20	0.32
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	4	0.32
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	12	0.32
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	7	0.32
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	7	0.32
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	7	0.32
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	7	0.32
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	7	0.32
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	7	0.32
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	7	0.32
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	7	0.32
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	7	0.32
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	7	0.32
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	7	0.32
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	4	0.32
(2,1089)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	7	0.32
(2,1089)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	7	0.32
(2,1089)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	7	0.32
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	8	0.32
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	15	0.32
(2,1023)	1:99:A:PRO:HD2	1:99:A:PRO:HB2	20	0.32
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	9	0.32
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	9	0.32
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	9	0.32
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	9	0.32
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	9	0.32
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	9	0.32
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	4	0.32
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	4	0.32
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	4	0.32
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	8	0.32
(2,987)	1:97:A:ASN:HA	1:97:A:ASN:HB2	18	0.32
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	20	0.32
(2,976)	1:96:A:LYS:HA	1:96:A:LYS:HG2	14	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	2	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	4	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	7	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	9	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	11	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	14	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	15	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	16	0.32
(2,972)	1:94:A:ARG:HA	1:94:A:ARG:HB3	20	0.32
(2,956)	1:121:A:GLU:HG2	1:121:A:GLU:HA	16	0.32
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	4	0.32
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	2	0.32
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	2	0.32
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	2	0.32
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	2	0.32
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	2	0.32
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	2	0.32
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	2	0.32
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	2	0.32
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	10	0.32
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	10	0.32
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	10	0.32
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	13	0.32
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	13	0.32
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	13	0.32
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	11	0.32
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	11	0.32
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	11	0.32
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	3	0.32
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	15	0.32
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	1	0.32
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	8	0.32
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	8	0.32
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	8	0.32
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	12	0.32
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	12	0.32
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	12	0.32
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	12	0.32
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	12	0.32
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	12	0.32
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	12	0.32
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	12	0.32
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	12	0.32
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	12	0.32
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	12	0.32
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	12	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	2	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	3	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	7	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	11	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	13	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	16	0.32
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	18	0.32
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	7	0.32
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	9	0.32
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	15	0.32
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	16	0.32
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	16	0.32
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	16	0.32
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	16	0.32
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	17	0.32
(2,806)	1:77:A:GLU:HA	1:77:A:GLU:HG2	20	0.32
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	3	0.32
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	17	0.32
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	17	0.32
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	17	0.32
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	11	0.32
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	11	0.32
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	11	0.32
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	5	0.32
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	5	0.32
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	5	0.32
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG11	20	0.32
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG12	20	0.32
(2,723)	1:76:A:LEU:H	1:74:A:VAL:HG13	20	0.32
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD11	19	0.32
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD12	19	0.32
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD13	19	0.32
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	6	0.32
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	6	0.32
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	6	0.32
(2,669)	1:72:A:ILE:HG21	1:26:A:LEU:H	17	0.32
(2,669)	1:72:A:ILE:HG22	1:26:A:LEU:H	17	0.32
(2,669)	1:72:A:ILE:HG23	1:26:A:LEU:H	17	0.32
(2,664)	1:72:A:ILE:HG13	1:72:A:ILE:H	6	0.32
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	17	0.32
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	15	0.32
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	15	0.32
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	15	0.32
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	5	0.32
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	2	0.32
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	6	0.32
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	6	0.32
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	6	0.32
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	6	0.32
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	6	0.32
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	6	0.32
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	6	0.32
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	6	0.32
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	6	0.32
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	10	0.32
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	10	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	9	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	9	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	9	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	14	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	14	0.32
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	14	0.32
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	7	0.32
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	7	0.32
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	7	0.32
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	7	0.32
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	7	0.32
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	7	0.32
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	7	0.32
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	7	0.32
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	7	0.32
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	12	0.32
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	12	0.32
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	12	0.32
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	6	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	3	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	5	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	9	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	13	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	14	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	15	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	16	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	17	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	19	0.32
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	20	0.32
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	5	0.32
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	15	0.32
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	15	0.32
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	15	0.32
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	4	0.32
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	6	0.32
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	18	0.32
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	10	0.32
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	12	0.32
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	12	0.32
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	12	0.32
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	12	0.32
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	12	0.32
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	12	0.32
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	12	0.32
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	12	0.32
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	1	0.32
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	1	0.32
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	1	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	1	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	1	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	1	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	2	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	2	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	2	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	3	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	3	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	3	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	4	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	4	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	4	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	5	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	5	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	5	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	6	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	6	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	6	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	8	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	8	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	8	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	9	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	9	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	9	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	10	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	10	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	10	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	11	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	11	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	11	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	14	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	14	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	14	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	15	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	15	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	16	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	16	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	16	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	17	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	17	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	17	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	18	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	18	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	18	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB1	19	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB2	19	0.32
(2,307)	1:45:A:ALA:HA	1:45:A:ALA:HB3	19	0.32
(2,297)	1:43:A:GLU:HB3	1:43:A:GLU:HA	12	0.32
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	4	0.32
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	4	0.32
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	4	0.32
(2,267)	1:77:A:GLU:HA	1:77:A:GLU:HG3	16	0.32
(2,243)	1:39:A:ARG:HA	1:39:A:ARG:H	5	0.32
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	8	0.32
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	8	0.32
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	8	0.32
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	8	0.32
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	10	0.32
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	10	0.32
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	10	0.32
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	10	0.32
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	10	0.32
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	10	0.32
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	10	0.32
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	10	0.32
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	10	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	3	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	4	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	8	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	10	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	12	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	14	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	15	0.32
(2,183)	1:34:A:LEU:HB3	1:34:A:LEU:HG	20	0.32
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	11	0.32
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	13	0.32
(2,177)	1:34:A:LEU:HB2	1:34:A:LEU:HG	19	0.32
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	6	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	7	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	7	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	7	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	8	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	8	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	8	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	18	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	18	0.32
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	18	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	4	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	4	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	4	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	6	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	6	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	6	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	8	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	8	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	8	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	9	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	9	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	9	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	17	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	17	0.32
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	17	0.32
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	6	0.32
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	6	0.32
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	6	0.32
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	15	0.32
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	15	0.32
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	15	0.32
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	1	0.32
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	1	0.32
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	1	0.32
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	2	0.32
(1,1876)	1:35:A:ILE:H	1:33:A:LYS:HB2	10	0.32
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD11	5	0.32
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD12	5	0.32
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD13	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:116:A:LYS:H	1:117:A:GLU:HG3	12	0.32
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	10	0.32
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	15	0.32
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	5	0.32
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	9	0.32
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	16	0.32
(1,936)	1:47:A:LEU:HD11	1:119:A:SER:HB2	19	0.32
(1,936)	1:47:A:LEU:HD12	1:119:A:SER:HB2	19	0.32
(1,936)	1:47:A:LEU:HD13	1:119:A:SER:HB2	19	0.32
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	12	0.32
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	12	0.32
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	12	0.32
(1,792)	1:112:A:LYS:HD3	1:108:A:PRO:HA	20	0.32
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	11	0.32
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	13	0.32
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	15	0.32
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	16	0.32
(1,719)	1:102:A:ILE:HA	1:102:A:ILE:HG12	6	0.32
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	6	0.32
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	11	0.32
(1,648)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	12	0.32
(1,648)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	12	0.32
(1,648)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	12	0.32
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	14	0.32
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	16	0.32
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	9	0.32
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	6	0.32
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	11	0.32
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	7	0.32
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	7	0.32
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	7	0.32
(1,475)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	17	0.32
(1,475)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	17	0.32
(1,475)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	17	0.32
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	16	0.32
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	16	0.32
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	16	0.32
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	4	0.32
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	4	0.32
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	4	0.32
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	9	0.32
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	6	0.32
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	5	0.32
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	14	0.32
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	9	0.32
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	13	0.32
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	19	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	1	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	1	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	1	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	0.32
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	0.32
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	3	0.32
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	3	0.32
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	3	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	8	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	8	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	8	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	16	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	16	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	16	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	20	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	20	0.32
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	20	0.32
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	16	0.31
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	16	0.31
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	16	0.31
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	5	0.31
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	20	0.31
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	2	0.31
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	20	0.31
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	10	0.31
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	10	0.31
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	10	0.31
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	14	0.31
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	10	0.31
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	12	0.31
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	12	0.31
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	12	0.31
(2,2708)	1:109:A:ASP:HB2	1:110:A:GLU:H	7	0.31
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	15	0.31
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	20	0.31
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	20	0.31
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	20	0.31
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	9	0.31
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	11	0.31
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	1	0.31
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	5	0.31
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	5	0.31
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	5	0.31
(2,2538)	1:85:A:VAL:HB	1:83:A:ASP:H	14	0.31
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	10	0.31
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	16	0.31
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	14	0.31
(2,2521)	1:82:A:ALA:H	1:81:A:ASP:HB3	2	0.31
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	8	0.31
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	10	0.31
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	17	0.31
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	19	0.31
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	19	0.31
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	19	0.31
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	15	0.31
(2,2356)	1:53:A:GLU:HB2	1:54:A:THR:H	8	0.31
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	10	0.31
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	16	0.31
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	16	0.31
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	16	0.31
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	10	0.31
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	10	0.31
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	10	0.31
(2,2301)	1:43:A:GLU:HB3	1:44:A:LYS:H	12	0.31
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	18	0.31
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	11	0.31
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	11	0.31
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	11	0.31
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	10	0.31
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	3	0.31
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	10	0.31
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	9	0.31
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	18	0.31
(2,2169)	1:118:A:PHE:HD1	1:118:A:PHE:H	5	0.31
(2,2169)	1:118:A:PHE:HD2	1:118:A:PHE:H	5	0.31
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	1	0.31
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	9	0.31
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	14	0.31
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	15	0.31
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	19	0.31
(2,2144)	1:27:A:ILE:H	1:51:A:THR:HA	5	0.31
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	13	0.31
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	10	0.31
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	10	0.31
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	15	0.31
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	17	0.31
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	14	0.31
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	16	0.31
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	12	0.31
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	7	0.31
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	11	0.31
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	15	0.31
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	7	0.31
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	7	0.31
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	11	0.31
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	1	0.31
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	12	0.31
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	20	0.31
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	13	0.31
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	17	0.31
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	4	0.31
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	16	0.31
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	6	0.31
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	1	0.31
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	7	0.31
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	8	0.31
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	3	0.31
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	1	0.31
(2,1904)	1:115:A:ILE:HG21	1:115:A:ILE:H	12	0.31
(2,1904)	1:115:A:ILE:HG22	1:115:A:ILE:H	12	0.31
(2,1904)	1:115:A:ILE:HG23	1:115:A:ILE:H	12	0.31
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	4	0.31
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	13	0.31
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	2	0.31
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	5	0.31
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	6	0.31
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	3	0.31
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	3	0.31
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	6	0.31
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	6	0.31
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	6	0.31
(2,1829)	1:75:A:LEU:H	1:75:A:LEU:HB2	8	0.31
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	19	0.31
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	12	0.31
(2,1780)	1:52:A:LEU:H	1:52:A:LEU:HA	15	0.31
(2,1778)	1:52:A:LEU:H	1:52:A:LEU:HB2	6	0.31
(2,1771)	1:49:A:LEU:HB2	1:49:A:LEU:H	15	0.31
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	5	0.31
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	17	0.31
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	12	0.31
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	2	0.31
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	18	0.31
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	19	0.31
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	19	0.31
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	19	0.31
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	15	0.31
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	15	0.31
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	15	0.31
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	16	0.31
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	16	0.31
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	16	0.31
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	1	0.31
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	19	0.31
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	8	0.31
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	11	0.31
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	17	0.31
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	8	0.31
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	19	0.31
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	9	0.31
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	20	0.31
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	16	0.31
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG21	12	0.31
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG22	12	0.31
(2,1533)	1:89:A:ILE:HG21	1:102:A:ILE:HG23	12	0.31
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG21	12	0.31
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG22	12	0.31
(2,1533)	1:89:A:ILE:HG22	1:102:A:ILE:HG23	12	0.31
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG21	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG22	12	0.31
(2,1533)	1:89:A:ILE:HG23	1:102:A:ILE:HG23	12	0.31
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	11	0.31
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	8	0.31
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	9	0.31
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	15	0.31
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	15	0.31
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	15	0.31
(2,1431)	1:47:A:LEU:HD11	1:119:A:SER:HA	1	0.31
(2,1431)	1:47:A:LEU:HD12	1:119:A:SER:HA	1	0.31
(2,1431)	1:47:A:LEU:HD13	1:119:A:SER:HA	1	0.31
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	17	0.31
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	17	0.31
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	17	0.31
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	2	0.31
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	3	0.31
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	12	0.31
(2,1403)	1:117:A:GLU:HA	1:117:A:GLU:HB3	17	0.31
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	16	0.31
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	16	0.31
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	16	0.31
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	4	0.31
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	4	0.31
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	4	0.31
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	20	0.31
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	20	0.31
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	20	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	1	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	2	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	3	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	4	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	6	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	8	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	9	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	10	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	12	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	13	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	14	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	16	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	17	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	19	0.31
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	18	0.31
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	20	0.31
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	8	0.31
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	19	0.31
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	18	0.31
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	11	0.31
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	3	0.31
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	3	0.31
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	3	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	10	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	10	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	10	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	10	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	10	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	10	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	10	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	10	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	10	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	15	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	15	0.31
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	15	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	15	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	15	0.31
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	15	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	15	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	15	0.31
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	15	0.31
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	7	0.31
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	7	0.31
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	7	0.31
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	14	0.31
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	3	0.31
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	3	0.31
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	3	0.31
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	3	0.31
(2,1117)	1:102:A:ILE:HD11	1:90:A:GLU:HG2	6	0.31
(2,1117)	1:102:A:ILE:HD12	1:90:A:GLU:HG2	6	0.31
(2,1117)	1:102:A:ILE:HD13	1:90:A:GLU:HG2	6	0.31
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	1	0.31
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	6	0.31
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	10	0.31
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	10	0.31
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	9	0.31
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	3	0.31
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	3	0.31
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	3	0.31
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	15	0.31
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	7	0.31
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	4	0.31
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	4	0.31
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	4	0.31
(2,899)	1:76:A:LEU:HD21	1:86:A:LYS:HB2	13	0.31
(2,899)	1:76:A:LEU:HD22	1:86:A:LYS:HB2	13	0.31
(2,899)	1:76:A:LEU:HD23	1:86:A:LYS:HB2	13	0.31
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	16	0.31
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	16	0.31
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	16	0.31
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	16	0.31
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	16	0.31
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	16	0.31
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	16	0.31
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	16	0.31
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	16	0.31
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	16	0.31
(2,865)	1:85:A:VAL:HB	1:85:A:VAL:HA	5	0.31
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	3	0.31
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	12	0.31
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	18	0.31
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	20	0.31
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	3	0.31
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	5	0.31
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	7	0.31
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	16	0.31
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	20	0.31
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	4	0.31
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	18	0.31
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	18	0.31
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	17	0.31
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	17	0.31
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	17	0.31
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	8	0.31
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	8	0.31
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	8	0.31
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	8	0.31
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	8	0.31
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	8	0.31
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	8	0.31
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	8	0.31
(2,764)	1:75:A:LEU:HD21	1:75:A:LEU:H	10	0.31
(2,764)	1:75:A:LEU:HD22	1:75:A:LEU:H	10	0.31
(2,764)	1:75:A:LEU:HD23	1:75:A:LEU:H	10	0.31
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	6	0.31
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	6	0.31
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	6	0.31
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	12	0.31
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	1	0.31
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	1	0.31
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	1	0.31
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	14	0.31
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	14	0.31
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	14	0.31
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	18	0.31
(2,597)	1:22:A:GLY:HA2	1:70:A:VAL:HA	13	0.31
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	3	0.31
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	5	0.31
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	5	0.31
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	5	0.31
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	7	0.31
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	7	0.31
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	7	0.31
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	9	0.31
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	9	0.31
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	9	0.31
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	17	0.31
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	17	0.31
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	17	0.31
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	8	0.31
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	8	0.31
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	8	0.31
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	20	0.31
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	20	0.31
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	20	0.31
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	1	0.31
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	2	0.31
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	2	0.31
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	2	0.31
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	12	0.31
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	12	0.31
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	12	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	3	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	3	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	3	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	7	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	7	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	7	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	13	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	13	0.31
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	13	0.31
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	5	0.31
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	5	0.31
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	5	0.31
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	3	0.31
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	3	0.31
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	3	0.31
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	4	0.31
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD11	5	0.31
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD12	5	0.31
(2,446)	1:56:A:ASP:HA	1:59:A:ILE:HD13	5	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	1	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	2	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	4	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	6	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	7	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	8	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	10	0.31
(2,435)	1:59:A:ILE:HA	1:59:A:ILE:HB	12	0.31
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	13	0.31
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	11	0.31
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	11	0.31
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	11	0.31
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	13	0.31
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	16	0.31
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	16	0.31
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	16	0.31
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	17	0.31
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	1	0.31
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	9	0.31
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	19	0.31
(2,361)	1:27:A:ILE:HG21	1:51:A:THR:HB	5	0.31
(2,361)	1:27:A:ILE:HG22	1:51:A:THR:HB	5	0.31
(2,361)	1:27:A:ILE:HG23	1:51:A:THR:HB	5	0.31
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	20	0.31
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	20	0.31
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	20	0.31
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	15	0.31
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	15	0.31
(2,346)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	15	0.31
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	15	0.31
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	15	0.31
(2,346)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	15	0.31
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	15	0.31
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	15	0.31
(2,346)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	15	0.31
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	1	0.31
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	8	0.31
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	5	0.31
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	14	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	5	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	5	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	5	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	5	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	5	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	5	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	5	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	5	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	5	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	19	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	19	0.31
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	19	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	19	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	19	0.31
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	19	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	19	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	19	0.31
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	19	0.31
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	1	0.31
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	1	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	5	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	5	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	5	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	5	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	5	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	5	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	5	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	5	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	5	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	17	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	17	0.31
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	17	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	17	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	17	0.31
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	17	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	17	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	17	0.31
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	17	0.31
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	9	0.31
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	9	0.31
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	9	0.31
(2,230)	1:38:A:ALA:HA	1:38:A:ALA:H	18	0.31
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	13	0.31
(2,165)	1:33:A:LYS:HB2	1:33:A:LYS:H	12	0.31
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	1	0.31
(2,110)	1:27:A:ILE:HD11	1:35:A:ILE:HA	18	0.31
(2,110)	1:27:A:ILE:HD12	1:35:A:ILE:HA	18	0.31
(2,110)	1:27:A:ILE:HD13	1:35:A:ILE:HA	18	0.31
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	14	0.31
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	14	0.31
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	14	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	1	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	1	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	1	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	2	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	2	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	2	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	3	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	3	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	4	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	4	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	4	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	9	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	9	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	9	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	10	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	10	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	10	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	13	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	13	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	13	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	19	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	19	0.31
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	19	0.31
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	9	0.31
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	9	0.31
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	9	0.31
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	8	0.31
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	7	0.31
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	7	0.31
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	7	0.31
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	14	0.31
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	14	0.31
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	14	0.31
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	19	0.31
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	19	0.31
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	19	0.31
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	15	0.31
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	1	0.31
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	17	0.31
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	17	0.31
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	9	0.31
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	20	0.31
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	2	0.31
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	6	0.31
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	8	0.31
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	8	0.31
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	8	0.31
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	3	0.31
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG21	10	0.31
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG22	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:24:A:LEU:HB2	1:59:A:ILE:HG23	10	0.31
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	12	0.31
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	19	0.31
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	11	0.31
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	11	0.31
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	11	0.31
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	11	0.31
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	11	0.31
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	11	0.31
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	11	0.31
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	11	0.31
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	11	0.31
(1,823)	1:110:A:GLU:HB2	1:110:A:GLU:HA	18	0.31
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	11	0.31
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	15	0.31
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	8	0.31
(1,672)	1:98:A:LEU:HB3	1:99:A:PRO:HD2	20	0.31
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	19	0.31
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	19	0.31
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	19	0.31
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	19	0.31
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	9	0.31
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	20	0.31
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	9	0.31
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	4	0.31
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	11	0.31
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	16	0.31
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	9	0.31
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	9	0.31
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	9	0.31
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	10	0.31
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	10	0.31
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	10	0.31
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	19	0.31
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	19	0.31
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	19	0.31
(1,399)	1:71:A:LYS:HB2	1:71:A:LYS:HG2	9	0.31
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	0.31
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	0.31
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	0.31
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	13	0.31
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	4	0.31
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	5	0.31
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	3	0.31
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	13	0.31
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	13	0.31
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	13	0.31
(1,165)	1:44:A:LYS:HD2	1:41:A:MET:HA	15	0.31
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	8	0.31
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	8	0.31
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	8	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	8	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	8	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	8	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	8	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	8	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	8	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	8	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	8	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	8	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	15	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	15	0.31
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	15	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	15	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	15	0.31
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	15	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	15	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	15	0.31
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	15	0.31
(1,13)	1:49:A:LEU:HD11	1:39:A:ARG:HB3	13	0.31
(1,13)	1:49:A:LEU:HD12	1:39:A:ARG:HB3	13	0.31
(1,13)	1:49:A:LEU:HD13	1:39:A:ARG:HB3	13	0.31
(1,13)	1:49:A:LEU:HD11	1:39:A:ARG:HB3	17	0.31
(1,13)	1:49:A:LEU:HD12	1:39:A:ARG:HB3	17	0.31
(1,13)	1:49:A:LEU:HD13	1:39:A:ARG:HB3	17	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	9	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	9	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	9	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	12	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	12	0.31
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	12	0.31
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	8	0.3
(2,2829)	1:117:A:GLU:HA	1:120:A:GLU:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	4	0.3
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	12	0.3
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	5	0.3
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	5	0.3
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	5	0.3
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	20	0.3
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	13	0.3
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	13	0.3
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	13	0.3
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	12	0.3
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	12	0.3
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	12	0.3
(2,2708)	1:109:A:ASP:HB2	1:110:A:GLU:H	16	0.3
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	8	0.3
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	17	0.3
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	11	0.3
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	3	0.3
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	3	0.3
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	3	0.3
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	6	0.3
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	14	0.3
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	2	0.3
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	2	0.3
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	2	0.3
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	7	0.3
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	7	0.3
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	7	0.3
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	4	0.3
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	18	0.3
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	12	0.3
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	12	0.3
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	12	0.3
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	5	0.3
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	6	0.3
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	12	0.3
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	9	0.3
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	1	0.3
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	9	0.3
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	18	0.3
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	14	0.3
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	15	0.3
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	2	0.3
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	2	0.3
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	2	0.3
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	3	0.3
(2,2290)	1:49:A:LEU:HD21	1:42:A:ALA:H	15	0.3
(2,2290)	1:49:A:LEU:HD22	1:42:A:ALA:H	15	0.3
(2,2290)	1:49:A:LEU:HD23	1:42:A:ALA:H	15	0.3
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	16	0.3
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	16	0.3
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	16	0.3
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	18	0.3
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	11	0.3
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	11	0.3
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	11	0.3
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	2	0.3
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	15	0.3
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	2	0.3
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	17	0.3
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	8	0.3
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	4	0.3
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	5	0.3
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	6	0.3
(2,2144)	1:27:A:ILE:H	1:51:A:THR:HA	11	0.3
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	15	0.3
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	7	0.3
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	6	0.3
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	6	0.3
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	8	0.3
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	17	0.3
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	12	0.3
(2,2034)	1:84:A:LYS:HB3	1:84:A:LYS:H	17	0.3
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	15	0.3
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	4	0.3
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	14	0.3
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	16	0.3
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	17	0.3
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	19	0.3
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	2	0.3
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	2	0.3
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	2	0.3
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	3	0.3
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	3	0.3
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	12	0.3
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	14	0.3
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	13	0.3
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	18	0.3
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	6	0.3
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	9	0.3
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	11	0.3
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	11	0.3
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	11	0.3
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	15	0.3
(2,1802)	1:66:A:LEU:HB2	1:66:A:LEU:H	12	0.3
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	5	0.3
(2,1773)	1:49:A:LEU:HD11	1:49:A:LEU:H	5	0.3
(2,1773)	1:49:A:LEU:HD12	1:49:A:LEU:H	5	0.3
(2,1773)	1:49:A:LEU:HD13	1:49:A:LEU:H	5	0.3
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	8	0.3
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	14	0.3
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	14	0.3
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	14	0.3
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	4	0.3
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	4	0.3
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	4	0.3
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	0.3
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	0.3
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	0.3
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	9	0.3
(2,1728)	1:26:A:LEU:HB2	1:26:A:LEU:H	13	0.3
(2,1690)	1:32:A:LYS:H	1:33:A:LYS:H	11	0.3
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	18	0.3
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	20	0.3
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	2	0.3
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	4	0.3
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	8	0.3
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	17	0.3
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	3	0.3
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	8	0.3
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	10	0.3
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	15	0.3
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	10	0.3
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	14	0.3
(2,1552)	1:91:A:LYS:HA	1:91:A:LYS:HB3	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	3	0.3
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	10	0.3
(2,1479)	1:58:A:LYS:HA	1:62:A:ILE:HG12	3	0.3
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	14	0.3
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	14	0.3
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	14	0.3
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	1	0.3
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	11	0.3
(2,1408)	1:121:A:GLU:HG3	1:118:A:PHE:HA	10	0.3
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	20	0.3
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	2	0.3
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	2	0.3
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	2	0.3
(2,1356)	1:114:A:TRP:HB2	1:103:A:ARG:HG3	2	0.3
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	11	0.3
(2,1337)	1:113:A:ARG:HB3	1:113:A:ARG:HG3	15	0.3
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	3	0.3
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	16	0.3
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	3	0.3
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	4	0.3
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	11	0.3
(2,1319)	1:41:A:MET:HB3	1:112:A:LYS:HA	8	0.3
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	18	0.3
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	18	0.3
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	18	0.3
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	1	0.3
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	1	0.3
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	1	0.3
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	6	0.3
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	9	0.3
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	4	0.3
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	10	0.3
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	4	0.3
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	1	0.3
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	7	0.3
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	18	0.3
(2,1216)	1:105:A:VAL:HG11	1:75:A:LEU:HA	3	0.3
(2,1216)	1:105:A:VAL:HG12	1:75:A:LEU:HA	3	0.3
(2,1216)	1:105:A:VAL:HG13	1:75:A:LEU:HA	3	0.3
(2,1210)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	20	0.3
(2,1210)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	20	0.3
(2,1210)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	12	0.3
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	12	0.3
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	12	0.3
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	5	0.3
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	5	0.3
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	5	0.3
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	9	0.3
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	9	0.3
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	9	0.3
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	10	0.3
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	10	0.3
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	10	0.3
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	9	0.3
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	8	0.3
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	13	0.3
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	18	0.3
(2,1081)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	12	0.3
(2,1063)	1:93:A:ALA:HB1	1:100:A:VAL:HB	11	0.3
(2,1063)	1:93:A:ALA:HB2	1:100:A:VAL:HB	11	0.3
(2,1063)	1:93:A:ALA:HB3	1:100:A:VAL:HB	11	0.3
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	19	0.3
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	19	0.3
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	19	0.3
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	5	0.3
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	5	0.3
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	5	0.3
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	2	0.3
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	13	0.3
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	13	0.3
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	13	0.3
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	6	0.3
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	9	0.3
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	16	0.3
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	17	0.3
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	18	0.3
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	18	0.3
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	18	0.3
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	11	0.3
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	12	0.3
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	13	0.3
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	15	0.3
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	6	0.3
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	9	0.3
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	16	0.3
(2,843)	1:83:A:ASP:HA	1:83:A:ASP:HB2	6	0.3
(2,841)	1:83:A:ASP:HA	1:86:A:LYS:HB2	16	0.3
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	5	0.3
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	16	0.3
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	18	0.3
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	19	0.3
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	15	0.3
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	11	0.3
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	6	0.3
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	6	0.3
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	6	0.3
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	12	0.3
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	12	0.3
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	12	0.3
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	12	0.3
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	12	0.3
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	12	0.3
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	12	0.3
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	12	0.3
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	12	0.3
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	13	0.3
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	9	0.3
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	15	0.3
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD11	14	0.3
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD12	14	0.3
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD13	14	0.3
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	1	0.3
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	15	0.3
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	15	0.3
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	15	0.3
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	20	0.3
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	16	0.3
(2,562)	1:70:A:VAL:HG21	1:68:A:PRO:HB2	14	0.3
(2,562)	1:70:A:VAL:HG22	1:68:A:PRO:HB2	14	0.3
(2,562)	1:70:A:VAL:HG23	1:68:A:PRO:HB2	14	0.3
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	2	0.3
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	2	0.3
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	2	0.3
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	10	0.3
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	10	0.3
(2,548)	1:66:A:LEU:HD11	1:66:A:LEU:HB3	16	0.3
(2,548)	1:66:A:LEU:HD12	1:66:A:LEU:HB3	16	0.3
(2,548)	1:66:A:LEU:HD13	1:66:A:LEU:HB3	16	0.3
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	5	0.3
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	15	0.3
(2,528)	1:65:A:SER:HB2	1:65:A:SER:H	5	0.3
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	10	0.3
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	7	0.3
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	1	0.3
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	1	0.3
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	1	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	2	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	2	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	2	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	15	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	15	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	15	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	20	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	20	0.3
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	20	0.3
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	6	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	2	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	2	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	2	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	2	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	2	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	2	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	2	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	2	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	2	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	7	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	7	0.3
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	7	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	7	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	7	0.3
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	7	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	7	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	7	0.3
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	7	0.3
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	19	0.3
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	19	0.3
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	19	0.3
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	11	0.3
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	10	0.3
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	8	0.3
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	8	0.3
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	8	0.3
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	3	0.3
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	11	0.3
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	14	0.3
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	6	0.3
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	6	0.3
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	6	0.3
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	1	0.3
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	3	0.3
(2,344)	1:49:A:LEU:HB3	1:49:A:LEU:HG	18	0.3
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	8	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	3	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	3	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	3	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	6	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	6	0.3
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	6	0.3
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	14	0.3
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG21	1	0.3
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG22	1	0.3
(2,279)	1:41:A:MET:HG3	1:115:A:ILE:HG23	1	0.3
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	13	0.3
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	11	0.3
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	1	0.3
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	4	0.3
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	11	0.3
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	11	0.3
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	11	0.3
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	12	0.3
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	3	0.3
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	17	0.3
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	17	0.3
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	17	0.3
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	17	0.3
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	17	0.3
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	17	0.3
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	17	0.3
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	17	0.3
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	20	0.3
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	20	0.3
(2,89)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	20	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	5	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	5	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	5	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	6	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	6	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	6	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	12	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	12	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	12	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	15	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	15	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	15	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	17	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	17	0.3
(2,82)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	17	0.3
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD1	19	0.3
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD2	19	0.3
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD1	19	0.3
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD2	19	0.3
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD1	19	0.3
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD2	19	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	1	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	1	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	1	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	10	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	10	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	10	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	12	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	12	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	12	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	19	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	19	0.3
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	19	0.3
(2,35)	1:24:A:LEU:HA	1:24:A:LEU:HB2	18	0.3
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	16	0.3
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	16	0.3
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	16	0.3
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	7	0.3
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	7	0.3
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	7	0.3
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	2	0.3
(1,1821)	1:83:A:ASP:H	1:84:A:LYS:HB2	14	0.3
(1,1735)	1:93:A:ALA:H	1:91:A:LYS:HB2	7	0.3
(1,1735)	1:93:A:ALA:H	1:91:A:LYS:HB2	11	0.3
(1,1660)	1:34:A:LEU:H	1:108:A:PRO:HG2	15	0.3
(1,1522)	1:33:A:LYS:H	1:34:A:LEU:HB3	1	0.3
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	20	0.3
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD11	15	0.3
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD12	15	0.3
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD13	15	0.3
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	20	0.3
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	10	0.3
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	14	0.3
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	2	0.3
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	13	0.3
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	17	0.3
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	8	0.3
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	13	0.3
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	17	0.3
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	17	0.3
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	17	0.3
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	11	0.3
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	17	0.3
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	19	0.3
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	11	0.3
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	18	0.3
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	7	0.3
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	6	0.3
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	6	0.3
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	6	0.3
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	20	0.3
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	2	0.3
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	8	0.3
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	18	0.3
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	19	0.3
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	3	0.3
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	3	0.3
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	3	0.3
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	20	0.3
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	20	0.3
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	20	0.3
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	18	0.3
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	18	0.3
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	18	0.3
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	8	0.3
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	8	0.3
(1,447)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	8	0.3
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	8	0.3
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	8	0.3
(1,447)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	8	0.3
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	8	0.3
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	8	0.3
(1,447)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	8	0.3
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	6	0.3
(1,329)	1:63:A:LEU:HB2	1:66:A:LEU:HD21	4	0.3
(1,329)	1:63:A:LEU:HB2	1:66:A:LEU:HD22	4	0.3
(1,329)	1:63:A:LEU:HB2	1:66:A:LEU:HD23	4	0.3
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	8	0.3
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	15	0.3
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	16	0.3
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	18	0.3
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	0.3
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	9	0.3
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	10	0.3
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	17	0.3
(1,269)	1:57:A:LYS:HA	1:57:A:LYS:HD2	11	0.3
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	8	0.3
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	2	0.3
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	2	0.3
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	2	0.3
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	4	0.29
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	8	0.29
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	8	0.29
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	8	0.29
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	16	0.29
(2,2812)	1:47:A:LEU:HD21	1:118:A:PHE:H	2	0.29
(2,2812)	1:47:A:LEU:HD22	1:118:A:PHE:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2812)	1:47:A:LEU:HD23	1:118:A:PHE:H	2	0.29
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	8	0.29
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	8	0.29
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	8	0.29
(2,2728)	1:105:A:VAL:HG11	1:111:A:ALA:H	16	0.29
(2,2728)	1:105:A:VAL:HG12	1:111:A:ALA:H	16	0.29
(2,2728)	1:105:A:VAL:HG13	1:111:A:ALA:H	16	0.29
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	4	0.29
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	4	0.29
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	4	0.29
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	19	0.29
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	16	0.29
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	16	0.29
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	2	0.29
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	6	0.29
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	4	0.29
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	16	0.29
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	6	0.29
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	9	0.29
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	4	0.29
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	4	0.29
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	4	0.29
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	6	0.29
(2,2545)	1:85:A:VAL:H	1:81:A:ASP:HB2	4	0.29
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	11	0.29
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	8	0.29
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	1	0.29
(2,2499)	1:105:A:VAL:HG11	1:78:A:ASP:H	10	0.29
(2,2499)	1:105:A:VAL:HG12	1:78:A:ASP:H	10	0.29
(2,2499)	1:105:A:VAL:HG13	1:78:A:ASP:H	10	0.29
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	9	0.29
(2,2468)	1:110:A:GLU:HG2	1:114:A:TRP:HE1	2	0.29
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	4	0.29
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	4	0.29
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	4	0.29
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	20	0.29
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	20	0.29
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	20	0.29
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	11	0.29
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	13	0.29
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	20	0.29
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	10	0.29
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	19	0.29
(2,2390)	1:70:A:VAL:HG11	1:67:A:GLY:H	17	0.29
(2,2390)	1:70:A:VAL:HG12	1:67:A:GLY:H	17	0.29
(2,2390)	1:70:A:VAL:HG13	1:67:A:GLY:H	17	0.29
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	7	0.29
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	17	0.29
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	11	0.29
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	2	0.29
(2,2238)	1:37:A:GLU:HG2	1:38:A:ALA:H	6	0.29
(2,2204)	1:29:A:SER:HB2	1:34:A:LEU:H	7	0.29
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	7	0.29
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	4	0.29
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	4	0.29
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	5	0.29
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	12	0.29
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	1	0.29
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	4	0.29
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	12	0.29
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	5	0.29
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	5	0.29
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	11	0.29
(2,2157)	1:28:A:TRP:H	1:75:A:LEU:HB3	8	0.29
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	8	0.29
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	19	0.29
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	19	0.29
(2,2099)	1:87:A:LYS:H	1:87:A:LYS:HD3	15	0.29
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	14	0.29
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	15	0.29
(2,2090)	1:96:A:LYS:HG2	1:96:A:LYS:H	3	0.29
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	9	0.29
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	18	0.29
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	6	0.29
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	9	0.29
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	14	0.29
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	15	0.29
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	2	0.29
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	15	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	1	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	3	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	5	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	8	0.29
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	15	0.29
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	2	0.29
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	3	0.29
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	11	0.29
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	2	0.29
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	12	0.29
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	7	0.29
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	5	0.29
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	9	0.29
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	12	0.29
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	17	0.29
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	4	0.29
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	5	0.29
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	16	0.29
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	2	0.29
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	6	0.29
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	11	0.29
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	19	0.29
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	2	0.29
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	4	0.29
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	11	0.29
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	6	0.29
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	4	0.29
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	4	0.29
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	4	0.29
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	11	0.29
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	13	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	7	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	8	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	10	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	13	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	15	0.29
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	16	0.29
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	11	0.29
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	3	0.29
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	10	0.29
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	14	0.29
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	3	0.29
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	6	0.29
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	19	0.29
(2,1740)	1:30:A:ASN:HB3	1:30:A:ASN:H	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	4	0.29
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	15	0.29
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	5	0.29
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	18	0.29
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	3	0.29
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	14	0.29
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	10	0.29
(2,1508)	1:24:A:LEU:HD11	1:50:A:LEU:HB2	20	0.29
(2,1508)	1:24:A:LEU:HD12	1:50:A:LEU:HB2	20	0.29
(2,1508)	1:24:A:LEU:HD13	1:50:A:LEU:HB2	20	0.29
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	16	0.29
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	16	0.29
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	16	0.29
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	12	0.29
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	4	0.29
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	7	0.29
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	8	0.29
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	13	0.29
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	14	0.29
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	19	0.29
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	20	0.29
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	3	0.29
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	17	0.29
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	12	0.29
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	12	0.29
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	12	0.29
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	11	0.29
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	11	0.29
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	11	0.29
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	11	0.29
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	11	0.29
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	11	0.29
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	11	0.29
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	11	0.29
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	11	0.29
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	14	0.29
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	14	0.29
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	14	0.29
(2,1372)	1:41:A:MET:HG3	1:115:A:ILE:HB	1	0.29
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	17	0.29
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	17	0.29
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	17	0.29
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	17	0.29
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	17	0.29
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	9	0.29
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	9	0.29
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	9	0.29
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	4	0.29
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	3	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	3	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	4	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	5	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	7	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	8	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	9	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	12	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	13	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	15	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	16	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	17	0.29
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	19	0.29
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	15	0.29
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	1	0.29
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	9	0.29
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	8	0.29
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	13	0.29
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	20	0.29
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	13	0.29
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	6	0.29
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	7	0.29
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	8	0.29
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	15	0.29
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	18	0.29
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	17	0.29
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	17	0.29
(2,1312)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	17	0.29
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	17	0.29
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	17	0.29
(2,1312)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	17	0.29
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	17	0.29
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	17	0.29
(2,1312)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	17	0.29
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	16	0.29
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	12	0.29
(2,1238)	1:107:A:SER:HB2	1:109:A:ASP:HB2	13	0.29
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	19	0.29
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	16	0.29
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	13	0.29
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	17	0.29
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	17	0.29
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	17	0.29
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	17	0.29
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	16	0.29
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	16	0.29
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	16	0.29
(2,1082)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	11	0.29
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	11	0.29
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	15	0.29
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	2	0.29
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	4	0.29
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	6	0.29
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD21	19	0.29
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD22	19	0.29
(2,1013)	1:70:A:VAL:HG11	1:98:A:LEU:HD23	19	0.29
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD21	19	0.29
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD22	19	0.29
(2,1013)	1:70:A:VAL:HG12	1:98:A:LEU:HD23	19	0.29
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD21	19	0.29
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD22	19	0.29
(2,1013)	1:70:A:VAL:HG13	1:98:A:LEU:HD23	19	0.29
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	2	0.29
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	2	0.29
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	2	0.29
(2,1001)	1:98:A:LEU:HB3	1:93:A:ALA:HA	18	0.29
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	5	0.29
(2,977)	1:96:A:LYS:HA	1:96:A:LYS:HB3	17	0.29
(2,975)	1:96:A:LYS:HA	1:96:A:LYS:HB2	4	0.29
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	16	0.29
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	16	0.29
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	16	0.29
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	4	0.29
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	9	0.29
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	9	0.29
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	9	0.29
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	9	0.29
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	9	0.29
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	9	0.29
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	9	0.29
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	9	0.29
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	3	0.29
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	3	0.29
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	3	0.29
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	3	0.29
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	3	0.29
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	3	0.29
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	8	0.29
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	8	0.29
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	8	0.29
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	16	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	1	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	2	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	5	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	6	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	10	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	14	0.29
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	17	0.29
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	3	0.29
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	3	0.29
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	3	0.29
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	18	0.29
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	18	0.29
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	18	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	1	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	4	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	8	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	10	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	11	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	13	0.29
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	17	0.29
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	2	0.29
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	3	0.29
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	8	0.29
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	17	0.29
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	13	0.29
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	13	0.29
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	3	0.29
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	2	0.29
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	5	0.29
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	13	0.29
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	2	0.29
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	7	0.29
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	19	0.29
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	19	0.29
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	19	0.29
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	19	0.29
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	19	0.29
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	19	0.29
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	19	0.29
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	19	0.29
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	19	0.29
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	19	0.29
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	19	0.29
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	19	0.29
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	14	0.29
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	13	0.29
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	13	0.29
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	13	0.29
(2,726)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	17	0.29
(2,726)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	17	0.29
(2,726)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	17	0.29
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	4	0.29
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	4	0.29
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	4	0.29
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	4	0.29
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	4	0.29
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	4	0.29
(2,703)	1:73:A:LEU:HD11	1:118:A:PHE:H	14	0.29
(2,703)	1:73:A:LEU:HD12	1:118:A:PHE:H	14	0.29
(2,703)	1:73:A:LEU:HD13	1:118:A:PHE:H	14	0.29
(2,702)	1:73:A:LEU:HD11	1:115:A:ILE:H	19	0.29
(2,702)	1:73:A:LEU:HD12	1:115:A:ILE:H	19	0.29
(2,702)	1:73:A:LEU:HD13	1:115:A:ILE:H	19	0.29
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	11	0.29
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	11	0.29
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	11	0.29
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	4	0.29
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	4	0.29
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	4	0.29
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	5	0.29
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	5	0.29
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	5	0.29
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	4	0.29
(2,597)	1:22:A:GLY:HA2	1:70:A:VAL:HA	8	0.29
(2,562)	1:70:A:VAL:HG21	1:68:A:PRO:HB2	13	0.29
(2,562)	1:70:A:VAL:HG22	1:68:A:PRO:HB2	13	0.29
(2,562)	1:70:A:VAL:HG23	1:68:A:PRO:HB2	13	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	1	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	1	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	1	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	3	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	3	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	3	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	6	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	6	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	6	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	11	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	11	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	11	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	13	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	13	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	13	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	14	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	14	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	14	0.29
(2,549)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	19	0.29
(2,549)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	19	0.29
(2,549)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	19	0.29
(2,541)	1:66:A:LEU:HB3	1:66:A:LEU:H	12	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	5	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	5	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	5	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	8	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	8	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	8	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	10	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	10	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	16	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	16	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	16	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	19	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	19	0.29
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	19	0.29
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	17	0.29
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	13	0.29
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	3	0.29
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	16	0.29
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	19	0.29
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	8	0.29
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	18	0.29
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	16	0.29
(2,411)	1:54:A:THR:HB	1:54:A:THR:H	9	0.29
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	9	0.29
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	9	0.29
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	9	0.29
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	13	0.29
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	16	0.29
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	1	0.29
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	1	0.29
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	1	0.29
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	9	0.29
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	1	0.29
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	1	0.29
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	1	0.29
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	13	0.29
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	4	0.29
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	4	0.29
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	4	0.29
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	4	0.29
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	4	0.29
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	4	0.29
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	4	0.29
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	4	0.29
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	4	0.29
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	1	0.29
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	11	0.29
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	11	0.29
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	11	0.29
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	3	0.29
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	3	0.29
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	3	0.29
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	3	0.29
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	3	0.29
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	3	0.29
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	3	0.29
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	3	0.29
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	2	0.29
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	2	0.29
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	2	0.29
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	2	0.29
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	2	0.29
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	2	0.29
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	2	0.29
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	2	0.29
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	2	0.29
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	5	0.29
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	8	0.29
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	8	0.29
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	8	0.29
(2,269)	1:41:A:MET:HA	1:44:A:LYS:HD2	4	0.29
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	10	0.29
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	18	0.29
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	11	0.29
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	11	0.29
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	11	0.29
(2,172)	1:34:A:LEU:HA	1:34:A:LEU:HB2	8	0.29
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	2	0.29
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	7	0.29
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	19	0.29
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	6	0.29
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	6	0.29
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	6	0.29
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	14	0.29
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	14	0.29
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	14	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	3	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	3	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	3	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	5	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	5	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	7	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	7	0.29
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	7	0.29
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	20	0.29
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	20	0.29
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	20	0.29
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	20	0.29
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	4	0.29
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	4	0.29
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	4	0.29
(1,2194)	1:57:A:LYS:H	1:56:A:ASP:HB2	5	0.29
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	1	0.29
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	5	0.29
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	10	0.29
(1,1562)	1:44:A:LYS:H	1:44:A:LYS:HE2	7	0.29
(1,1393)	1:42:A:ALA:H	1:40:A:LYS:HB3	18	0.29
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	8	0.29
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD11	15	0.29
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD12	15	0.29
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD13	15	0.29
(1,1106)	1:116:A:LYS:H	1:116:A:LYS:HD3	9	0.29
(1,1101)	1:55:A:ASP:H	1:55:A:ASP:HB3	17	0.29
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	8	0.29
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	15	0.29
(1,997)	1:113:A:ARG:HG2	1:117:A:GLU:HG2	7	0.29
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	12	0.29
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	12	0.29
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	12	0.29
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	12	0.29
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	1	0.29
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	2	0.29
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	12	0.29
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	17	0.29
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	19	0.29
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	12	0.29
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	5	0.29
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	18	0.29
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	16	0.29
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	16	0.29
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	16	0.29
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	1	0.29
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	1	0.29
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	9	0.29
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	9	0.29
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	9	0.29
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	19	0.29
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	6	0.29
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	16	0.29
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	1	0.29
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	8	0.29
(1,665)	1:99:A:PRO:HB2	1:99:A:PRO:HD2	1	0.29
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	5	0.29
(1,569)	1:86:A:LYS:HA	1:86:A:LYS:HD2	9	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	5	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	5	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	5	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	11	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	11	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	11	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	18	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	18	0.29
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	18	0.29
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	3	0.29
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	20	0.29
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	4	0.29
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	4	0.29
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	4	0.29
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD21	2	0.29
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD22	2	0.29
(1,435)	1:103:A:ARG:HD3	1:73:A:LEU:HD23	2	0.29
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	19	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	1	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	1	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	1	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	14	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	14	0.29
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	14	0.29
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	2	0.29
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	17	0.29
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	10	0.29
(1,320)	1:62:A:ILE:HB	1:62:A:ILE:HG13	11	0.29
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	11	0.29
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	19	0.29
(1,149)	1:49:A:LEU:HD11	1:39:A:ARG:HA	15	0.29
(1,149)	1:49:A:LEU:HD12	1:39:A:ARG:HA	15	0.29
(1,149)	1:49:A:LEU:HD13	1:39:A:ARG:HA	15	0.29
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD21	19	0.29
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD22	19	0.29
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD23	19	0.29
(2,2834)	1:23:A:LEU:HD21	1:120:A:GLU:H	2	0.28
(2,2834)	1:23:A:LEU:HD22	1:120:A:GLU:H	2	0.28
(2,2834)	1:23:A:LEU:HD23	1:120:A:GLU:H	2	0.28
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	9	0.28
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	9	0.28
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	9	0.28
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	4	0.28
(2,2810)	1:117:A:GLU:HB2	1:118:A:PHE:H	19	0.28
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	3	0.28
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	10	0.28
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	10	0.28
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	10	0.28
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	6	0.28
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	6	0.28
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	6	0.28
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	4	0.28
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	11	0.28
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	1	0.28
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	5	0.28
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	8	0.28
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	13	0.28
(2,2672)	1:104:A:LYS:H	1:103:A:ARG:HG3	2	0.28
(2,2669)	1:103:A:ARG:HB3	1:104:A:LYS:H	18	0.28
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	9	0.28
(2,2617)	1:94:A:ARG:H	1:91:A:LYS:HG3	7	0.28
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	1	0.28
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	5	0.28
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	17	0.28
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	19	0.28
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	12	0.28
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	2	0.28
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	3	0.28
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	17	0.28
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2443)	1:73:A:LEU:HD11	1:75:A:LEU:H	10	0.28
(2,2443)	1:73:A:LEU:HD12	1:75:A:LEU:H	10	0.28
(2,2443)	1:73:A:LEU:HD13	1:75:A:LEU:H	10	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	2	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	5	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	13	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	15	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	16	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	19	0.28
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	20	0.28
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	1	0.28
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	6	0.28
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	6	0.28
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	6	0.28
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	6	0.28
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	19	0.28
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	19	0.28
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	19	0.28
(2,2360)	1:57:A:LYS:HD2	1:58:A:LYS:H	7	0.28
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	6	0.28
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	17	0.28
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	17	0.28
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	17	0.28
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	4	0.28
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	16	0.28
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	10	0.28
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	19	0.28
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	9	0.28
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	10	0.28
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	11	0.28
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	11	0.28
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	11	0.28
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	1	0.28
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	14	0.28
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	16	0.28
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	16	0.28
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	9	0.28
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	9	0.28
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	9	0.28
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	18	0.28
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	9	0.28
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	10	0.28
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	17	0.28
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	11	0.28
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	19	0.28
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	19	0.28
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	19	0.28
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	3	0.28
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	5	0.28
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	6	0.28
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	6	0.28
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	6	0.28
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	11	0.28
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	11	0.28
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	11	0.28
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	19	0.28
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	17	0.28
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	3	0.28
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	4	0.28
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	7	0.28
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	9	0.28
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	10	0.28
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	17	0.28
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	19	0.28
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	19	0.28
(2,2004)	1:79:A:THR:H	1:79:A:THR:HG1	3	0.28
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	11	0.28
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	14	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	7	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	9	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	10	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	11	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	18	0.28
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	20	0.28
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	7	0.28
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	7	0.28
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	7	0.28
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	7	0.28
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	13	0.28
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	14	0.28
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	3	0.28
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	5	0.28
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	2	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	6	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	7	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	8	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	9	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	14	0.28
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	18	0.28
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	18	0.28
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	17	0.28
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	7	0.28
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	8	0.28
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	16	0.28
(2,1887)	1:104:A:LYS:H	1:104:A:LYS:HD2	13	0.28
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	2	0.28
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	9	0.28
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG21	8	0.28
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG22	8	0.28
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG23	8	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	10	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	10	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	10	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG11	19	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG12	19	0.28
(2,1826)	1:74:A:VAL:H	1:74:A:VAL:HG13	19	0.28
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	18	0.28
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	3	0.28
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	4	0.28
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	12	0.28
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	16	0.28
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	16	0.28
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	18	0.28
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	16	0.28
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	16	0.28
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	16	0.28
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	11	0.28
(2,1740)	1:30:A:ASN:HB3	1:30:A:ASN:H	15	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	1	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	3	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	6	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	7	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	8	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	11	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	12	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	17	0.28
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	18	0.28
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	19	0.28
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	19	0.28
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	19	0.28
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	5	0.28
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	9	0.28
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	20	0.28
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	1	0.28
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	4	0.28
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	12	0.28
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	18	0.28
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	14	0.28
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	16	0.28
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	12	0.28
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	12	0.28
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	12	0.28
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	5	0.28
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	3	0.28
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	3	0.28
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	3	0.28
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	3	0.28
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	3	0.28
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	3	0.28
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	3	0.28
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	3	0.28
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	3	0.28
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG21	7	0.28
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG22	7	0.28
(2,1482)	1:63:A:LEU:H	1:62:A:ILE:HG23	7	0.28
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	1	0.28
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	12	0.28
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	19	0.28
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	19	0.28
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	19	0.28
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	7	0.28
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	7	0.28
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	7	0.28
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	7	0.28
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	12	0.28
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	17	0.28
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	12	0.28
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	12	0.28
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	12	0.28
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	1	0.28
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	12	0.28
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	1	0.28
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	6	0.28
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	10	0.28
(2,1350)	1:113:A:ARG:HD3	1:113:A:ARG:HG3	18	0.28
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	5	0.28
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	14	0.28
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	7	0.28
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	14	0.28
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	16	0.28
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	3	0.28
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	6	0.28
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	19	0.28
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	8	0.28
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	8	0.28
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	8	0.28
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	9	0.28
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	9	0.28
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	9	0.28
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	16	0.28
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	17	0.28
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	4	0.28
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	7	0.28
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	10	0.28
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	15	0.28
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	2	0.28
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	3	0.28
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	15	0.28
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	9	0.28
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	9	0.28
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	9	0.28
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	16	0.28
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	16	0.28
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	16	0.28
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	18	0.28
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	18	0.28
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	18	0.28
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	1	0.28
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	1	0.28
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	1	0.28
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	4	0.28
(2,1047)	1:71:A:LYS:HA	1:99:A:PRO:HG2	8	0.28
(2,1046)	1:98:A:LEU:HA	1:99:A:PRO:HG3	16	0.28
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	18	0.28
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	16	0.28
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	14	0.28
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	14	0.28
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	14	0.28
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	15	0.28
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	15	0.28
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	15	0.28
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	1	0.28
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	2	0.28
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	13	0.28
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	15	0.28
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	17	0.28
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	17	0.28
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	17	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	17	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	17	0.28
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	17	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	17	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	17	0.28
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	17	0.28
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	8	0.28
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	8	0.28
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	8	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	8	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	9	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	11	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	13	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	15	0.28
(2,906)	1:86:A:LYS:HG2	1:86:A:LYS:HD2	20	0.28
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	2	0.28
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	14	0.28
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	19	0.28
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	11	0.28
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	12	0.28
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	20	0.28
(2,842)	1:83:A:ASP:HA	1:86:A:LYS:HB3	7	0.28
(2,816)	1:79:A:THR:H	1:79:A:THR:HB	2	0.28
(2,805)	1:36:A:GLU:HA	1:36:A:GLU:HG3	2	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	1	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	2	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	7	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	10	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	18	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	19	0.28
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	20	0.28
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	4	0.28
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	4	0.28
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	4	0.28
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	14	0.28
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	14	0.28
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	14	0.28
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	14	0.28
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	14	0.28
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	14	0.28
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	14	0.28
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	14	0.28
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	14	0.28
(2,699)	1:73:A:LEU:HD21	1:101:A:ARG:HG2	17	0.28
(2,699)	1:73:A:LEU:HD22	1:101:A:ARG:HG2	17	0.28
(2,699)	1:73:A:LEU:HD23	1:101:A:ARG:HG2	17	0.28
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	1	0.28
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	1	0.28
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	1	0.28
(2,678)	1:102:A:ILE:HG21	1:104:A:LYS:HG2	8	0.28
(2,678)	1:102:A:ILE:HG22	1:104:A:LYS:HG2	8	0.28
(2,678)	1:102:A:ILE:HG23	1:104:A:LYS:HG2	8	0.28
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG21	8	0.28
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG22	8	0.28
(2,674)	1:25:A:VAL:HA	1:72:A:ILE:HG23	8	0.28
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	1	0.28
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	1	0.28
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	1	0.28
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	16	0.28
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	16	0.28
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	12	0.28
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	19	0.28
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	5	0.28
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	4	0.28
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	4	0.28
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	4	0.28
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	19	0.28
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	19	0.28
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	19	0.28
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	11	0.28
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	1	0.28
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	1	0.28
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	1	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	1	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	1	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	1	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	6	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	6	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	6	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	12	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	12	0.28
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	12	0.28
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	1	0.28
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	12	0.28
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	6	0.28
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	6	0.28
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	6	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	6	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	6	0.28
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	6	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	6	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	6	0.28
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	6	0.28
(2,459)	1:59:A:ILE:HG21	1:60:A:GLU:HG2	5	0.28
(2,459)	1:59:A:ILE:HG22	1:60:A:GLU:HG2	5	0.28
(2,459)	1:59:A:ILE:HG23	1:60:A:GLU:HG2	5	0.28
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	7	0.28
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	7	0.28
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	7	0.28
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	14	0.28
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:39:A:ARG:HA	1:39:A:ARG:HB2	1	0.28
(2,369)	1:66:A:LEU:HA	1:67:A:GLY:H	2	0.28
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	4	0.28
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	18	0.28
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	20	0.28
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	2	0.28
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	7	0.28
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	8	0.28
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	13	0.28
(2,363)	1:51:A:THR:HG1	1:51:A:THR:HB	14	0.28
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	12	0.28
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	12	0.28
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	12	0.28
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	4	0.28
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	4	0.28
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	4	0.28
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	6	0.28
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	6	0.28
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	6	0.28
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	10	0.28
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	1	0.28
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	20	0.28
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	16	0.28
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB1	9	0.28
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB2	9	0.28
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB3	9	0.28
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB1	9	0.28
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB2	9	0.28
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB3	9	0.28
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB1	9	0.28
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB2	9	0.28
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB3	9	0.28
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	11	0.28
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	17	0.28
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	14	0.28
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	14	0.28
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	14	0.28
(2,218)	1:35:A:ILE:HG21	1:51:A:THR:HG1	7	0.28
(2,218)	1:35:A:ILE:HG22	1:51:A:THR:HG1	7	0.28
(2,218)	1:35:A:ILE:HG23	1:51:A:THR:HG1	7	0.28
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	8	0.28
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	8	0.28
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	13	0.28
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	13	0.28
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	13	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	10	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	10	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	10	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	19	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	19	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	19	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	20	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	20	0.28
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	20	0.28
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	6	0.28
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	6	0.28
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	6	0.28
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	5	0.28
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	3	0.28
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD21	9	0.28
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD22	9	0.28
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD23	9	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD21	9	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD22	9	0.28
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD23	9	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD21	9	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD22	9	0.28
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD23	9	0.28
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	12	0.28
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	12	0.28
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	12	0.28
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG21	13	0.28
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG22	13	0.28
(2,44)	1:24:A:LEU:HB3	1:72:A:ILE:HG23	13	0.28
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	15	0.28
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	15	0.28
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	15	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	1	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	3	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	4	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	5	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	6	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	9	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	11	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	13	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	14	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	15	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	17	0.28
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	19	0.28
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	2	0.28
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	2	0.28
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	2	0.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	5	0.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	5	0.28
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	5	0.28
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	5	0.28
(1,1854)	1:82:A:ALA:H	1:28:A:TRP:HE3	9	0.28
(1,1826)	1:105:A:VAL:H	1:76:A:LEU:HD11	1	0.28
(1,1826)	1:105:A:VAL:H	1:76:A:LEU:HD12	1	0.28
(1,1826)	1:105:A:VAL:H	1:76:A:LEU:HD13	1	0.28
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	8	0.28
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	18	0.28
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	18	0.28
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	18	0.28
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG11	2	0.28
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG12	2	0.28
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG13	2	0.28
(1,1609)	1:34:A:LEU:H	1:35:A:ILE:HG13	5	0.28
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	14	0.28
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	15	0.28
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	15	0.28
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	15	0.28
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	3	0.28
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	3	0.28
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	3	0.28
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	4	0.28
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	6	0.28
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	8	0.28
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	11	0.28
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	16	0.28
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	6	0.28
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	14	0.28
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	5	0.28
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	16	0.28
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	8	0.28
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	8	0.28
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	8	0.28
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	20	0.28
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	1	0.28
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	2	0.28
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	3	0.28
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	20	0.28
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	18	0.28
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	18	0.28
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	18	0.28
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	15	0.28
(1,464)	1:27:A:ILE:HB	1:75:A:LEU:HB3	16	0.28
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG21	8	0.28
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG22	8	0.28
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG23	8	0.28
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	10	0.28
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	10	0.28
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	10	0.28
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	12	0.28
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	19	0.28
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	19	0.28
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	19	0.28
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	8	0.28
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	14	0.28
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	15	0.28
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	16	0.28
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	18	0.28
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	14	0.28
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	4	0.28
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	12	0.28
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	16	0.28
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	1	0.28
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	1	0.28
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	1	0.28
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	1	0.28
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	18	0.28
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	18	0.28
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	18	0.28
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	19	0.28
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	19	0.28
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	19	0.28
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	8	0.27
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	12	0.27
(2,2791)	1:116:A:LYS:H	1:118:A:PHE:HB3	10	0.27
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	10	0.27
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	1	0.27
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	1	0.27
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	1	0.27
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	19	0.27
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	16	0.27
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	16	0.27
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	16	0.27
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	17	0.27
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	11	0.27
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	8	0.27
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	2	0.27
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	2	0.27
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	2	0.27
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	7	0.27
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	7	0.27
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	7	0.27
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	13	0.27
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	20	0.27
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	2	0.27
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	15	0.27
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	18	0.27
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	18	0.27
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	18	0.27
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	13	0.27
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	13	0.27
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	13	0.27
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	15	0.27
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	17	0.27
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	15	0.27
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	15	0.27
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	15	0.27
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	9	0.27
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	9	0.27
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	3	0.27
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	7	0.27
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	7	0.27
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	18	0.27
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	1	0.27
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	8	0.27
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	8	0.27
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	8	0.27
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	4	0.27
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	20	0.27
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	20	0.27
(2,2426)	1:73:A:LEU:H	1:101:A:ARG:HB2	1	0.27
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	4	0.27
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	6	0.27
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	11	0.27
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	17	0.27
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	6	0.27
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	6	0.27
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	6	0.27
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	15	0.27
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	15	0.27
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	15	0.27
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	9	0.27
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	9	0.27
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	9	0.27
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	1	0.27
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	2	0.27
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	19	0.27
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	8	0.27
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	11	0.27
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	4	0.27
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	8	0.27
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	14	0.27
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	3	0.27
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	3	0.27
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	3	0.27
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	11	0.27
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	4	0.27
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	3	0.27
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD11	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD12	20	0.27
(2,2142)	1:26:A:LEU:H	1:73:A:LEU:HD13	20	0.27
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	13	0.27
(2,2081)	1:94:A:ARG:H	1:94:A:ARG:HG2	12	0.27
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	15	0.27
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	5	0.27
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	19	0.27
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	20	0.27
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	3	0.27
(2,1994)	1:73:A:LEU:H	1:73:A:LEU:HA	13	0.27
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	1	0.27
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	7	0.27
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	10	0.27
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	16	0.27
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	19	0.27
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	3	0.27
(2,1958)	1:112:A:LYS:HD3	1:112:A:LYS:H	3	0.27
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	16	0.27
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	18	0.27
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	10	0.27
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	15	0.27
(2,1923)	1:32:A:LYS:HA	1:32:A:LYS:H	20	0.27
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	3	0.27
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	4	0.27
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	19	0.27
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	3	0.27
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	15	0.27
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	15	0.27
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	3	0.27
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	13	0.27
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	3	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	1	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	6	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	9	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	11	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	14	0.27
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	20	0.27
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	1	0.27
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	13	0.27
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	2	0.27
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	5	0.27
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	13	0.27
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	19	0.27
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	20	0.27
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	18	0.27
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	9	0.27
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	9	0.27
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	9	0.27
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	10	0.27
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	10	0.27
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	10	0.27
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	2	0.27
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	2	0.27
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	2	0.27
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	17	0.27
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	3	0.27
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	11	0.27
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	13	0.27
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	12	0.27
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	16	0.27
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	19	0.27
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	12	0.27
(2,1627)	1:62:A:ILE:H	1:63:A:LEU:H	11	0.27
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	3	0.27
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	17	0.27
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	12	0.27
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	18	0.27
(2,1557)	1:117:A:GLU:H	1:116:A:LYS:HB3	1	0.27
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	10	0.27
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	20	0.27
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	11	0.27
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	11	0.27
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	11	0.27
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	10	0.27
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	10	0.27
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	10	0.27
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	16	0.27
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	16	0.27
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	16	0.27
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	11	0.27
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	11	0.27
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	11	0.27
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1423)	1:73:A:LEU:HD11	1:118:A:PHE:HB2	8	0.27
(2,1423)	1:73:A:LEU:HD12	1:118:A:PHE:HB2	8	0.27
(2,1423)	1:73:A:LEU:HD13	1:118:A:PHE:HB2	8	0.27
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	10	0.27
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	8	0.27
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	18	0.27
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	18	0.27
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	18	0.27
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	2	0.27
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	3	0.27
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	3	0.27
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	3	0.27
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	19	0.27
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	19	0.27
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	19	0.27
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	20	0.27
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	20	0.27
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	20	0.27
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	3	0.27
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	3	0.27
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	3	0.27
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	15	0.27
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	15	0.27
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	15	0.27
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	2	0.27
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	20	0.27
(2,1361)	1:118:A:PHE:H	1:115:A:ILE:HA	15	0.27
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	10	0.27
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	4	0.27
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	15	0.27
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	13	0.27
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	13	0.27
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	13	0.27
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	5	0.27
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	12	0.27
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	6	0.27
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	20	0.27
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	6	0.27
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	6	0.27
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	6	0.27
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	8	0.27
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	19	0.27
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	8	0.27
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	4	0.27
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	7	0.27
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	10	0.27
(2,1235)	1:107:A:SER:HB2	1:107:A:SER:H	16	0.27
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	20	0.27
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	20	0.27
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	20	0.27
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	6	0.27
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	6	0.27
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	6	0.27
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	2	0.27
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	20	0.27
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	3	0.27
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	20	0.27
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	14	0.27
(2,1159)	1:104:A:LYS:HA	1:78:A:ASP:HB2	5	0.27
(2,1157)	1:76:A:LEU:H	1:104:A:LYS:HA	16	0.27
(2,1128)	1:102:A:ILE:HG21	1:104:A:LYS:HG3	2	0.27
(2,1128)	1:102:A:ILE:HG22	1:104:A:LYS:HG3	2	0.27
(2,1128)	1:102:A:ILE:HG23	1:104:A:LYS:HG3	2	0.27
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	15	0.27
(2,1096)	1:101:A:ARG:HD2	1:101:A:ARG:HG2	3	0.27
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG11	18	0.27
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG12	18	0.27
(2,1068)	1:90:A:GLU:HA	1:74:A:VAL:HG13	18	0.27
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	5	0.27
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	5	0.27
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	5	0.27
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	6	0.27
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	6	0.27
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	6	0.27
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	16	0.27
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	16	0.27
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	16	0.27
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	20	0.27
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	20	0.27
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	20	0.27
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	8	0.27
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	14	0.27
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	11	0.27
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	11	0.27
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	11	0.27
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	12	0.27
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	7	0.27
(2,861)	1:86:A:LYS:H	1:85:A:VAL:HA	5	0.27
(2,858)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	15	0.27
(2,858)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	15	0.27
(2,858)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	15	0.27
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	10	0.27
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	14	0.27
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	15	0.27
(2,854)	1:85:A:VAL:H	1:84:A:LYS:HA	19	0.27
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	1	0.27
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	3	0.27
(2,770)	1:76:A:LEU:HA	1:76:A:LEU:HB2	6	0.27
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	19	0.27
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	19	0.27
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	19	0.27
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	17	0.27
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	17	0.27
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	17	0.27
(2,702)	1:73:A:LEU:HD11	1:115:A:ILE:H	14	0.27
(2,702)	1:73:A:LEU:HD12	1:115:A:ILE:H	14	0.27
(2,702)	1:73:A:LEU:HD13	1:115:A:ILE:H	14	0.27
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	6	0.27
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	6	0.27
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	6	0.27
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	13	0.27
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	13	0.27
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	13	0.27
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	4	0.27
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	6	0.27
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	8	0.27
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	3	0.27
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	9	0.27
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	15	0.27
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	15	0.27
(2,506)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	15	0.27
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	11	0.27
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	11	0.27
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	14	0.27
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	14	0.27
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	14	0.27
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	18	0.27
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	19	0.27
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	19	0.27
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	19	0.27
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	2	0.27
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	2	0.27
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	2	0.27
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	5	0.27
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	15	0.27
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	8	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	3	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	4	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	5	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	8	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	12	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	13	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	15	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	16	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	17	0.27
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	19	0.27
(2,316)	1:46:A:ASN:HA	1:46:A:ASN:HB2	1	0.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	20	0.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	20	0.27
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	20	0.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	20	0.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	20	0.27
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	20	0.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	20	0.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	20	0.27
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	20	0.27
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	17	0.27
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	9	0.27
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	13	0.27
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	8	0.27
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	4	0.27
(2,221)	1:35:A:ILE:HG21	1:36:A:GLU:HA	16	0.27
(2,221)	1:35:A:ILE:HG22	1:36:A:GLU:HA	16	0.27
(2,221)	1:35:A:ILE:HG23	1:36:A:GLU:HA	16	0.27
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	18	0.27
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	18	0.27
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	18	0.27
(2,132)	1:29:A:SER:HA	1:77:A:GLU:HB2	3	0.27
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	10	0.27
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	10	0.27
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	10	0.27
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	3	0.27
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	3	0.27
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	3	0.27
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	3	0.27
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	3	0.27
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	3	0.27
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	3	0.27
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	3	0.27
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	3	0.27
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD11	14	0.27
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD12	14	0.27
(2,86)	1:26:A:LEU:HB3	1:26:A:LEU:HD13	14	0.27
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	7	0.27
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	7	0.27
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	7	0.27
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	10	0.27
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	11	0.27
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	11	0.27
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	11	0.27
(1,2225)	1:115:A:ILE:H	1:116:A:LYS:HB3	4	0.27
(1,2056)	1:83:A:ASP:H	1:80:A:LYS:HG2	13	0.27
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	17	0.27
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	17	0.27
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	17	0.27
(1,1876)	1:35:A:ILE:H	1:33:A:LYS:HB2	20	0.27
(1,1712)	1:63:A:LEU:H	1:63:A:LEU:HG	10	0.27
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	9	0.27
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	11	0.27
(1,1227)	1:40:A:LYS:H	1:40:A:LYS:HG2	15	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	2	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	2	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	2	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	9	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	9	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	18	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	18	0.27
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	18	0.27
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	6	0.27
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	5	0.27
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	1	0.27
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	3	0.27
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	4	0.27
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	19	0.27
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	3	0.27
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	3	0.27
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	3	0.27
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	4	0.27
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	4	0.27
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	4	0.27
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	5	0.27
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	15	0.27
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	19	0.27
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	14	0.27
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	19	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	3	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	3	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	3	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	13	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	13	0.27
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	13	0.27
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	2	0.27
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	8	0.27
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	19	0.27
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	1	0.27
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	1	0.27
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	1	0.27
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	17	0.27
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	17	0.27
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	17	0.27
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	10	0.27
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	10	0.27
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	10	0.27
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	2	0.27
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	20	0.27
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	11	0.27
(1,317)	1:62:A:ILE:HB	1:62:A:ILE:HG13	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:40:A:LYS:H	1:39:A:ARG:HB3	11	0.27
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	8	0.27
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	9	0.27
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	12	0.27
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	9	0.27
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	9	0.27
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	9	0.27
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	10	0.27
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	20	0.27
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	11	0.27
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	11	0.27
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	11	0.27
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	9	0.27
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	9	0.27
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	9	0.27
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	9	0.27
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	9	0.27
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	9	0.27
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	9	0.27
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	9	0.27
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	9	0.27
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	5	0.27
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	5	0.27
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	5	0.27
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	4	0.27
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	4	0.27
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	4	0.27
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	12	0.26
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	7	0.26
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	1	0.26
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	1	0.26
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	1	0.26
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	9	0.26
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	9	0.26
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	13	0.26
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	6	0.26
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	3	0.26
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	3	0.26
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	3	0.26
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	10	0.26
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	10	0.26
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	7	0.26
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	9	0.26
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	3	0.26
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	15	0.26
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	15	0.26
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	15	0.26
(2,2668)	1:103:A:ARG:HD2	1:104:A:LYS:H	15	0.26
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	11	0.26
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	11	0.26
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	11	0.26
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	12	0.26
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	14	0.26
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	18	0.26
(2,2607)	1:93:A:ALA:H	1:96:A:LYS:HB2	9	0.26
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	15	0.26
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	7	0.26
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	17	0.26
(2,2526)	1:80:A:LYS:HG2	1:82:A:ALA:H	19	0.26
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	10	0.26
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	19	0.26
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	19	0.26
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	19	0.26
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	4	0.26
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	7	0.26
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	16	0.26
(2,2429)	1:100:A:VAL:HA	1:74:A:VAL:H	4	0.26
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	14	0.26
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	14	0.26
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	14	0.26
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	3	0.26
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	16	0.26
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	16	0.26
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	16	0.26
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	1	0.26
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	1	0.26
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	1	0.26
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	17	0.26
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	17	0.26
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	17	0.26
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	8	0.26
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	8	0.26
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	13	0.26
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	13	0.26
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	13	0.26
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	3	0.26
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	17	0.26
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	17	0.26
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	17	0.26
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	11	0.26
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	11	0.26
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	11	0.26
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	13	0.26
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	4	0.26
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	4	0.26
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	4	0.26
(2,2242)	1:38:A:ALA:H	1:112:A:LYS:HG2	3	0.26
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	10	0.26
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	6	0.26
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	18	0.26
(2,2188)	1:31:A:ASP:HA	1:32:A:LYS:H	20	0.26
(2,2185)	1:34:A:LEU:HB3	1:31:A:ASP:H	19	0.26
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	15	0.26
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	8	0.26
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	8	0.26
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	13	0.26
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	7	0.26
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	14	0.26
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	1	0.26
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	7	0.26
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	11	0.26
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	14	0.26
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	3	0.26
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	16	0.26
(2,2084)	1:95:A:LYS:H	1:95:A:LYS:HG2	1	0.26
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	4	0.26
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	16	0.26
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	11	0.26
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	6	0.26
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	8	0.26
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	10	0.26
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	1	0.26
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	18	0.26
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	6	0.26
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	14	0.26
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	15	0.26
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	12	0.26
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	2	0.26
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	1	0.26
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	5	0.26
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	12	0.26
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	10	0.26
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	15	0.26
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	3	0.26
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	7	0.26
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	4	0.26
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	8	0.26
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	19	0.26
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	6	0.26
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	6	0.26
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	6	0.26
(2,1800)	1:65:A:SER:HB3	1:65:A:SER:H	19	0.26
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	2	0.26
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	7	0.26
(2,1752)	1:35:A:ILE:HG13	1:35:A:ILE:H	16	0.26
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	14	0.26
(2,1738)	1:28:A:TRP:HA	1:28:A:TRP:H	16	0.26
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	2	0.26
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	17	0.26
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	17	0.26
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	17	0.26
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	1	0.26
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	4	0.26
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	13	0.26
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	7	0.26
(2,1643)	1:111:A:ALA:H	1:110:A:GLU:H	18	0.26
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	13	0.26
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	15	0.26
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	3	0.26
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	17	0.26
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	8	0.26
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	7	0.26
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	7	0.26
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	7	0.26
(2,1495)	1:59:A:ILE:HG21	1:63:A:LEU:HG	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1495)	1:59:A:ILE:HG22	1:63:A:LEU:HG	6	0.26
(2,1495)	1:59:A:ILE:HG23	1:63:A:LEU:HG	6	0.26
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	6	0.26
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	6	0.26
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	6	0.26
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	1	0.26
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	1	0.26
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	1	0.26
(2,1478)	1:59:A:ILE:HA	1:62:A:ILE:HG12	17	0.26
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	1	0.26
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	1	0.26
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	1	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	1	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	2	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	3	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	7	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	12	0.26
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	19	0.26
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	5	0.26
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	4	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	6	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	6	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	6	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	6	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	6	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	6	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	6	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	6	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	6	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	9	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	9	0.26
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	9	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	9	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	9	0.26
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	9	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	9	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	9	0.26
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	9	0.26
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	12	0.26
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	13	0.26
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	15	0.26
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	4	0.26
(2,1407)	1:118:A:PHE:HA	1:118:A:PHE:HB3	7	0.26
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	8	0.26
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	1	0.26
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	1	0.26
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	1	0.26
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	7	0.26
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	7	0.26
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	7	0.26
(2,1373)	1:41:A:MET:HG2	1:115:A:ILE:HB	1	0.26
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	2	0.26
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	2	0.26
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	2	0.26
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	8	0.26
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	8	0.26
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	8	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	1	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	5	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	8	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	15	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	17	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	19	0.26
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	20	0.26
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	2	0.26
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	6	0.26
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	11	0.26
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	10	0.26
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	19	0.26
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	20	0.26
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	14	0.26
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	14	0.26
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	14	0.26
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	14	0.26
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	14	0.26
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	14	0.26
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	14	0.26
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	14	0.26
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	14	0.26
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	2	0.26
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	17	0.26
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	14	0.26
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	1	0.26
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	3	0.26
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	17	0.26
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	8	0.26
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	18	0.26
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	18	0.26
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	18	0.26
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	15	0.26
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	15	0.26
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	15	0.26
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	11	0.26
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	11	0.26
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	11	0.26
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	11	0.26
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	11	0.26
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	11	0.26
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	11	0.26
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	11	0.26
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	11	0.26
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	20	0.26
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	7	0.26
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	6	0.26
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	6	0.26
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	6	0.26
(2,1131)	1:102:A:ILE:HG21	1:86:A:LYS:HA	17	0.26
(2,1131)	1:102:A:ILE:HG22	1:86:A:LYS:HA	17	0.26
(2,1131)	1:102:A:ILE:HG23	1:86:A:LYS:HA	17	0.26
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	11	0.26
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	11	0.26
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	11	0.26
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	8	0.26
(2,1075)	1:100:A:VAL:HG11	1:101:A:ARG:HA	1	0.26
(2,1075)	1:100:A:VAL:HG12	1:101:A:ARG:HA	1	0.26
(2,1075)	1:100:A:VAL:HG13	1:101:A:ARG:HA	1	0.26
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	4	0.26
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	12	0.26
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	20	0.26
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	20	0.26
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	20	0.26
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	14	0.26
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	14	0.26
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	5	0.26
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	18	0.26
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	18	0.26
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	18	0.26
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	13	0.26
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	13	0.26
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	13	0.26
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	15	0.26
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	12	0.26
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	18	0.26
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	8	0.26
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	14	0.26
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	14	0.26
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	14	0.26
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	10	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	3	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	8	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	9	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	10	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	11	0.26
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	12	0.26
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	5	0.26
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	5	0.26
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	5	0.26
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	17	0.26
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	5	0.26
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	11	0.26
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	4	0.26
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	4	0.26
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	4	0.26
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	4	0.26
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	4	0.26
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	4	0.26
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	4	0.26
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	4	0.26
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	4	0.26
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	16	0.26
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	16	0.26
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	16	0.26
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	18	0.26
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	18	0.26
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	19	0.26
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	19	0.26
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	19	0.26
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	13	0.26
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	13	0.26
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	13	0.26
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	11	0.26
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	11	0.26
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	11	0.26
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	16	0.26
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	16	0.26
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	16	0.26
(2,696)	1:73:A:LEU:HD21	1:101:A:ARG:HB2	9	0.26
(2,696)	1:73:A:LEU:HD22	1:101:A:ARG:HB2	9	0.26
(2,696)	1:73:A:LEU:HD23	1:101:A:ARG:HB2	9	0.26
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	19	0.26
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	19	0.26
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	19	0.26
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	17	0.26
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	17	0.26
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	17	0.26
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	5	0.26
(2,678)	1:102:A:ILE:HG21	1:104:A:LYS:HG2	5	0.26
(2,678)	1:102:A:ILE:HG22	1:104:A:LYS:HG2	5	0.26
(2,678)	1:102:A:ILE:HG23	1:104:A:LYS:HG2	5	0.26
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	17	0.26
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	16	0.26
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	3	0.26
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	3	0.26
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	3	0.26
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	11	0.26
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	11	0.26
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	11	0.26
(2,597)	1:22:A:GLY:HA2	1:70:A:VAL:HA	7	0.26
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	5	0.26
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	7	0.26
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	8	0.26
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	17	0.26
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	11	0.26
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	13	0.26
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	4	0.26
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	4	0.26
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	7	0.26
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	14	0.26
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	14	0.26
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	14	0.26
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	14	0.26
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	14	0.26
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	14	0.26
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	14	0.26
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	14	0.26
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	14	0.26
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	15	0.26
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	13	0.26
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	13	0.26
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	13	0.26
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	2	0.26
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	5	0.26
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	12	0.26
(2,366)	1:66:A:LEU:HA	1:66:A:LEU:HB2	15	0.26
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	15	0.26
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB1	17	0.26
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB2	17	0.26
(2,348)	1:49:A:LEU:HD21	1:42:A:ALA:HB3	17	0.26
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB1	17	0.26
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB2	17	0.26
(2,348)	1:49:A:LEU:HD22	1:42:A:ALA:HB3	17	0.26
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB1	17	0.26
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB2	17	0.26
(2,348)	1:49:A:LEU:HD23	1:42:A:ALA:HB3	17	0.26
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	1	0.26
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	1	0.26
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	1	0.26
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	8	0.26
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	8	0.26
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	8	0.26
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	5	0.26
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	5	0.26
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	5	0.26
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	5	0.26
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	5	0.26
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	5	0.26
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	5	0.26
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	5	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	2	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	6	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	7	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	9	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	10	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	11	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	14	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	18	0.26
(2,328)	1:48:A:TYR:HA	1:48:A:TYR:HB2	20	0.26
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	15	0.26
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	19	0.26
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	4	0.26
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	18	0.26
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	11	0.26
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	10	0.26
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	10	0.26
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	10	0.26
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	10	0.26
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	10	0.26
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	10	0.26
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	10	0.26
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	10	0.26
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	10	0.26
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	20	0.26
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	3	0.26
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	16	0.26
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	16	0.26
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	16	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	1	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	1	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	1	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	2	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	2	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	2	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	3	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	3	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	3	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	4	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	4	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	5	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	5	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	5	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	6	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	6	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	6	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	7	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	7	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	7	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	8	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	8	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	8	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	9	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	9	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	9	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	10	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	10	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	10	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	11	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	11	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	11	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	12	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	12	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	12	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	13	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	13	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	13	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	14	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	14	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	14	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	15	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	15	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	15	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	16	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	16	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	16	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	17	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	17	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	17	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	18	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	18	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	19	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	19	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	19	0.26
(2,282)	1:42:A:ALA:HB1	1:42:A:ALA:HA	20	0.26
(2,282)	1:42:A:ALA:HB2	1:42:A:ALA:HA	20	0.26
(2,282)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.26
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	16	0.26
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	10	0.26
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	10	0.26
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	10	0.26
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	16	0.26
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	12	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	13	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	13	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	13	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	15	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	15	0.26
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	15	0.26
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	15	0.26
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	4	0.26
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	4	0.26
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	4	0.26
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD11	1	0.26
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD12	1	0.26
(2,74)	1:25:A:VAL:HG21	1:73:A:LEU:HD13	1	0.26
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD11	1	0.26
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD12	1	0.26
(2,74)	1:25:A:VAL:HG22	1:73:A:LEU:HD13	1	0.26
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD11	1	0.26
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD12	1	0.26
(2,74)	1:25:A:VAL:HG23	1:73:A:LEU:HD13	1	0.26
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD21	11	0.26
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD22	11	0.26
(2,58)	1:25:A:VAL:HA	1:49:A:LEU:HD23	11	0.26
(2,48)	1:98:A:LEU:HD11	1:63:A:LEU:HB3	12	0.26
(2,48)	1:98:A:LEU:HD12	1:63:A:LEU:HB3	12	0.26
(2,48)	1:98:A:LEU:HD13	1:63:A:LEU:HB3	12	0.26
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	2	0.26
(2,34)	1:24:A:LEU:HA	1:24:A:LEU:HB3	16	0.26
(2,26)	1:23:A:LEU:HD21	1:119:A:SER:HA	18	0.26
(2,26)	1:23:A:LEU:HD22	1:119:A:SER:HA	18	0.26
(2,26)	1:23:A:LEU:HD23	1:119:A:SER:HA	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	20	0.26
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	20	0.26
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	20	0.26
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	20	0.26
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	20	0.26
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	20	0.26
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	20	0.26
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	20	0.26
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	20	0.26
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	10	0.26
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	10	0.26
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	15	0.26
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	19	0.26
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	17	0.26
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	17	0.26
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	17	0.26
(1,1735)	1:93:A:ALA:H	1:91:A:LYS:HB2	9	0.26
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	3	0.26
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	3	0.26
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	3	0.26
(1,1492)	1:103:A:ARG:HG2	1:114:A:TRP:HE1	2	0.26
(1,1472)	1:37:A:GLU:H	1:37:A:GLU:HG2	1	0.26
(1,1472)	1:37:A:GLU:H	1:37:A:GLU:HG2	8	0.26
(1,1472)	1:37:A:GLU:H	1:37:A:GLU:HG2	19	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	11	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	11	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	11	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	19	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	19	0.26
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	19	0.26
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	5	0.26
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	9	0.26
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	5	0.26
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	19	0.26
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	14	0.26
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	9	0.26
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	15	0.26
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	11	0.26
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	13	0.26
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	13	0.26
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	13	0.26
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	13	0.26
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	13	0.26
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	13	0.26
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	13	0.26
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	13	0.26
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	3	0.26
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	3	0.26
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	3	0.26
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	8	0.26
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	12	0.26
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	6	0.26
(1,721)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	12	0.26
(1,721)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	12	0.26
(1,721)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	12	0.26
(1,698)	1:101:A:ARG:HB2	1:101:A:ARG:HG2	2	0.26
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	11	0.26
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	11	0.26
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	11	0.26
(1,648)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	15	0.26
(1,648)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	15	0.26
(1,648)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	15	0.26
(1,644)	1:98:A:LEU:HA	1:98:A:LEU:HB3	1	0.26
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	15	0.26
(1,561)	1:85:A:VAL:HG21	1:89:A:ILE:HD11	12	0.26
(1,561)	1:85:A:VAL:HG21	1:89:A:ILE:HD12	12	0.26
(1,561)	1:85:A:VAL:HG21	1:89:A:ILE:HD13	12	0.26
(1,561)	1:85:A:VAL:HG22	1:89:A:ILE:HD11	12	0.26
(1,561)	1:85:A:VAL:HG22	1:89:A:ILE:HD12	12	0.26
(1,561)	1:85:A:VAL:HG22	1:89:A:ILE:HD13	12	0.26
(1,561)	1:85:A:VAL:HG23	1:89:A:ILE:HD11	12	0.26
(1,561)	1:85:A:VAL:HG23	1:89:A:ILE:HD12	12	0.26
(1,561)	1:85:A:VAL:HG23	1:89:A:ILE:HD13	12	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	2	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	2	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	2	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	4	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	4	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	4	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	7	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	7	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	7	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	16	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	16	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	19	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	19	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	19	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	20	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	20	0.26
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	20	0.26
(1,471)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	9	0.26
(1,471)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	9	0.26
(1,471)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	9	0.26
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	9	0.26
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	9	0.26
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	9	0.26
(1,370)	1:69:A:PRO:HB3	1:69:A:PRO:HA	14	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	6	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	6	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	6	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	13	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	13	0.26
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	13	0.26
(1,331)	1:63:A:LEU:HA	1:63:A:LEU:HB3	1	0.26
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	1	0.26
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	2	0.26
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	10	0.26
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	11	0.26
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD11	10	0.26
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD12	10	0.26
(1,255)	1:52:A:LEU:HA	1:52:A:LEU:HD13	10	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	3	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	3	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	3	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	4	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	4	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	4	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	7	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	7	0.26
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	7	0.26
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	2	0.26
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	2	0.26
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	2	0.26
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	12	0.25
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	5	0.25
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	13	0.25
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	8	0.25
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	3	0.25
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	10	0.25
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	12	0.25
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	12	0.25
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	12	0.25
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	2	0.25
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	10	0.25
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	14	0.25
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	18	0.25
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	9	0.25
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	11	0.25
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	12	0.25
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	17	0.25
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	3	0.25
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	3	0.25
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	3	0.25
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	14	0.25
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	14	0.25
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	14	0.25
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	18	0.25
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	3	0.25
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	2	0.25
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	2	0.25
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	2	0.25
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	18	0.25
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	14	0.25
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	14	0.25
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	14	0.25
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	12	0.25
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	12	0.25
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	12	0.25
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	4	0.25
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	8	0.25
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	9	0.25
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	11	0.25
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	20	0.25
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	6	0.25
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	13	0.25
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	8	0.25
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	15	0.25
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	15	0.25
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	15	0.25
(2,2446)	1:76:A:LEU:H	1:75:A:LEU:HB3	14	0.25
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	1	0.25
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	9	0.25
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	10	0.25
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	9	0.25
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	13	0.25
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	18	0.25
(2,2436)	1:74:A:VAL:H	1:73:A:LEU:HG	12	0.25
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	1	0.25
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	1	0.25
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	1	0.25
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	17	0.25
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	17	0.25
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	17	0.25
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	7	0.25
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	7	0.25
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	7	0.25
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	7	0.25
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	7	0.25
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	7	0.25
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	7	0.25
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	7	0.25
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	9	0.25
(2,2300)	1:43:A:GLU:HG2	1:44:A:LYS:H	4	0.25
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	17	0.25
(2,2292)	1:49:A:LEU:HD11	1:43:A:GLU:H	3	0.25
(2,2292)	1:49:A:LEU:HD12	1:43:A:GLU:H	3	0.25
(2,2292)	1:49:A:LEU:HD13	1:43:A:GLU:H	3	0.25
(2,2281)	1:42:A:ALA:H	1:112:A:LYS:HA	12	0.25
(2,2261)	1:39:A:ARG:HD2	1:40:A:LYS:H	18	0.25
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	18	0.25
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	18	0.25
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	18	0.25
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	14	0.25
(2,2238)	1:37:A:GLU:HG2	1:38:A:ALA:H	15	0.25
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	15	0.25
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	8	0.25
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	17	0.25
(2,2152)	1:27:A:ILE:HA	1:28:A:TRP:H	11	0.25
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	5	0.25
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	14	0.25
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	8	0.25
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD11	11	0.25
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD12	11	0.25
(2,2122)	1:24:A:LEU:H	1:72:A:ILE:HD13	11	0.25
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	6	0.25
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	6	0.25
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	6	0.25
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	19	0.25
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	9	0.25
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	1	0.25
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	12	0.25
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	17	0.25
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	2	0.25
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	9	0.25
(2,2053)	1:121:A:GLU:H	1:121:A:GLU:HB2	15	0.25
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	1	0.25
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	6	0.25
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	5	0.25
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	20	0.25
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	10	0.25
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	19	0.25
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	5	0.25
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	8	0.25
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	9	0.25
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	2	0.25
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	10	0.25
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	12	0.25
(2,1921)	1:36:A:GLU:HB2	1:36:A:GLU:H	6	0.25
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	5	0.25
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	10	0.25
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	16	0.25
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	2	0.25
(2,1881)	1:103:A:ARG:H	1:103:A:ARG:HD2	12	0.25
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	15	0.25
(2,1877)	1:103:A:ARG:H	1:103:A:ARG:HB3	16	0.25
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	7	0.25
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	14	0.25
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	10	0.25
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	9	0.25
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	7	0.25
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	8	0.25
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	8	0.25
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	8	0.25
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	16	0.25
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	17	0.25
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	20	0.25
(2,1799)	1:65:A:SER:HA	1:65:A:SER:H	18	0.25
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	3	0.25
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	2	0.25
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	2	0.25
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	2	0.25
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	8	0.25
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	8	0.25
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	8	0.25
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	15	0.25
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	7	0.25
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	7	0.25
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	7	0.25
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	10	0.25
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	2	0.25
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	5	0.25
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	15	0.25
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	12	0.25
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	1	0.25
(2,1525)	1:92:A:LYS:HG2	1:92:A:LYS:HA	12	0.25
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	19	0.25
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	19	0.25
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	19	0.25
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	19	0.25
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	19	0.25
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	19	0.25
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	19	0.25
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	19	0.25
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	19	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	4	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	5	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	6	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	9	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	10	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	11	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	13	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	14	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	15	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	16	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	17	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	18	0.25
(2,1471)	1:62:A:ILE:HB	1:62:A:ILE:HG12	20	0.25
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD11	1	0.25
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD12	1	0.25
(2,1467)	1:56:A:ASP:HB2	1:59:A:ILE:HD13	1	0.25
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	2	0.25
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	2	0.25
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	2	0.25
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	12	0.25
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	12	0.25
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	12	0.25
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	6	0.25
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	6	0.25
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	6	0.25
(2,1429)	1:23:A:LEU:HD21	1:119:A:SER:HA	6	0.25
(2,1429)	1:23:A:LEU:HD22	1:119:A:SER:HA	6	0.25
(2,1429)	1:23:A:LEU:HD23	1:119:A:SER:HA	6	0.25
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	9	0.25
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	3	0.25
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	5	0.25
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	16	0.25
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	18	0.25
(2,1425)	1:119:A:SER:HA	1:119:A:SER:H	20	0.25
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	4	0.25
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	15	0.25
(2,1411)	1:47:A:LEU:HD11	1:118:A:PHE:HA	14	0.25
(2,1411)	1:47:A:LEU:HD12	1:118:A:PHE:HA	14	0.25
(2,1411)	1:47:A:LEU:HD13	1:118:A:PHE:HA	14	0.25
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	6	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	4	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	4	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	4	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	5	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	5	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	6	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	6	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	6	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	9	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	9	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	9	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	11	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	11	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	11	0.25
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	16	0.25
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	16	0.25
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	16	0.25
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	13	0.25
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	13	0.25
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	13	0.25
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	18	0.25
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	18	0.25
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	18	0.25
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	5	0.25
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	5	0.25
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	19	0.25
(2,1362)	1:118:A:PHE:HD1	1:115:A:ILE:HA	4	0.25
(2,1362)	1:118:A:PHE:HD2	1:115:A:ILE:HA	4	0.25
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	18	0.25
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	6	0.25
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	10	0.25
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	1	0.25
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	5	0.25
(2,1316)	1:112:A:LYS:HA	1:115:A:ILE:H	2	0.25
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	7	0.25
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	7	0.25
(2,1310)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	7	0.25
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	7	0.25
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	7	0.25
(2,1310)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	7	0.25
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	7	0.25
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	7	0.25
(2,1310)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	7	0.25
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	11	0.25
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	10	0.25
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	1	0.25
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	19	0.25
(2,1266)	1:34:A:LEU:HD11	1:108:A:PRO:HG2	18	0.25
(2,1266)	1:34:A:LEU:HD12	1:108:A:PRO:HG2	18	0.25
(2,1266)	1:34:A:LEU:HD13	1:108:A:PRO:HG2	18	0.25
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	6	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	3	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	5	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	12	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	16	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	18	0.25
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	20	0.25
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	3	0.25
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	1	0.25
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	1	0.25
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	1	0.25
(2,1165)	1:105:A:VAL:HG21	1:104:A:LYS:HA	20	0.25
(2,1165)	1:105:A:VAL:HG22	1:104:A:LYS:HA	20	0.25
(2,1165)	1:105:A:VAL:HG23	1:104:A:LYS:HA	20	0.25
(2,1163)	1:104:A:LYS:HG3	1:104:A:LYS:HA	17	0.25
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	17	0.25
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	5	0.25
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	5	0.25
(2,1036)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	2	0.25
(2,1036)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	2	0.25
(2,1036)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	2	0.25
(2,1020)	1:93:A:ALA:HB1	1:99:A:PRO:HA	20	0.25
(2,1020)	1:93:A:ALA:HB2	1:99:A:PRO:HA	20	0.25
(2,1020)	1:93:A:ALA:HB3	1:99:A:PRO:HA	20	0.25
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	16	0.25
(2,1004)	1:98:A:LEU:HD21	1:98:A:LEU:H	16	0.25
(2,1004)	1:98:A:LEU:HD22	1:98:A:LEU:H	16	0.25
(2,1004)	1:98:A:LEU:HD23	1:98:A:LEU:H	16	0.25
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	1	0.25
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	2	0.25
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	7	0.25
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	11	0.25
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	5	0.25
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	18	0.25
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	7	0.25
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	16	0.25
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	16	0.25
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	18	0.25
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	18	0.25
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	18	0.25
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	9	0.25
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	12	0.25
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	20	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	1	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	2	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	5	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	6	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	7	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	13	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	14	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	17	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	18	0.25
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	19	0.25
(2,842)	1:83:A:ASP:HA	1:86:A:LYS:HB3	1	0.25
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	2	0.25
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	2	0.25
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	2	0.25
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	8	0.25
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	8	0.25
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	8	0.25
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	10	0.25
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	8	0.25
(2,762)	1:75:A:LEU:HD21	1:113:A:ARG:H	10	0.25
(2,762)	1:75:A:LEU:HD22	1:113:A:ARG:H	10	0.25
(2,762)	1:75:A:LEU:HD23	1:113:A:ARG:H	10	0.25
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	2	0.25
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	2	0.25
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	2	0.25
(2,688)	1:73:A:LEU:HD21	1:103:A:ARG:H	1	0.25
(2,688)	1:73:A:LEU:HD22	1:103:A:ARG:H	1	0.25
(2,688)	1:73:A:LEU:HD23	1:103:A:ARG:H	1	0.25
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	12	0.25
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	15	0.25
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	11	0.25
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	11	0.25
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	11	0.25
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	19	0.25
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	19	0.25
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	19	0.25
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	9	0.25
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	10	0.25
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	11	0.25
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	18	0.25
(2,588)	1:69:A:PRO:HB3	1:69:A:PRO:HG2	19	0.25
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	9	0.25
(2,574)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	20	0.25
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	9	0.25
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	14	0.25
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	17	0.25
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	17	0.25
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	17	0.25
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	8	0.25
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	8	0.25
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	8	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	11	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	11	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	11	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG21	17	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG22	17	0.25
(2,478)	1:62:A:ILE:HA	1:62:A:ILE:HG23	17	0.25
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	19	0.25
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	2	0.25
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	19	0.25
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	19	0.25
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	19	0.25
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	15	0.25
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	13	0.25
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	13	0.25
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	13	0.25
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	17	0.25
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	17	0.25
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	17	0.25
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	4	0.25
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	16	0.25
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	11	0.25
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	10	0.25
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	16	0.25
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	18	0.25
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	3	0.25
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	3	0.25
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	4	0.25
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	4	0.25
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	4	0.25
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	19	0.25
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	19	0.25
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	19	0.25
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	19	0.25
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	19	0.25
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	19	0.25
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	19	0.25
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	19	0.25
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	19	0.25
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	2	0.25
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	5	0.25
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	6	0.25
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	16	0.25
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	3	0.25
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	12	0.25
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	7	0.25
(2,297)	1:43:A:GLU:HB3	1:43:A:GLU:HA	15	0.25
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	16	0.25
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	4	0.25
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	7	0.25
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	8	0.25
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	15	0.25
(2,247)	1:39:A:ARG:HA	1:39:A:ARG:HB3	8	0.25
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	8	0.25
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	8	0.25
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	8	0.25
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	8	0.25
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	8	0.25
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	8	0.25
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	8	0.25
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	8	0.25
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	8	0.25
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	3	0.25
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	3	0.25
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	3	0.25
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	3	0.25
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	3	0.25
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	3	0.25
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	3	0.25
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	3	0.25
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	10	0.25
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	10	0.25
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	10	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	2	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	2	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	2	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	7	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	7	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	7	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	9	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	9	0.25
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	9	0.25
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	2	0.25
(2,161)	1:40:A:LYS:HA	1:40:A:LYS:HB2	18	0.25
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	8	0.25
(2,153)	1:32:A:LYS:HA	1:35:A:ILE:HB	16	0.25
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	17	0.25
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	7	0.25
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	7	0.25
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	7	0.25
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	18	0.25
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	18	0.25
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	18	0.25
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	14	0.25
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	14	0.25
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	14	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	11	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	11	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	11	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG11	16	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG12	16	0.25
(2,37)	1:24:A:LEU:HA	1:25:A:VAL:HG13	16	0.25
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	17	0.25
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	17	0.25
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	17	0.25
(1,2021)	1:102:A:ILE:H	1:74:A:VAL:HB	12	0.25
(1,1989)	1:118:A:PHE:H	1:117:A:GLU:HG3	7	0.25
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	9	0.25
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	9	0.25
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	9	0.25
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	11	0.25
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	3	0.25
(1,1071)	1:26:A:LEU:H	1:26:A:LEU:HD11	20	0.25
(1,1071)	1:26:A:LEU:H	1:26:A:LEU:HD12	20	0.25
(1,1071)	1:26:A:LEU:H	1:26:A:LEU:HD13	20	0.25
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	1	0.25
(1,990)	1:92:A:LYS:HA	1:92:A:LYS:HG2	18	0.25
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	2	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	14	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	14	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	14	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	16	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	16	0.25
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	16	0.25
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	7	0.25
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	3	0.25
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	15	0.25
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	14	0.25
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	15	0.25
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	2	0.25
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	2	0.25
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	2	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	2	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	2	0.25
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	2	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	2	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	2	0.25
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	2	0.25
(1,808)	1:110:A:GLU:H	1:109:A:ASP:HB2	7	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	3	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	3	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	3	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	14	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	14	0.25
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	14	0.25
(1,730)	1:103:A:ARG:HG3	1:103:A:ARG:HD3	7	0.25
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	8	0.25
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	8	0.25
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	8	0.25
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	8	0.25
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	8	0.25
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	11	0.25
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	11	0.25
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	11	0.25
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	16	0.25
(1,632)	1:96:A:LYS:HA	1:96:A:LYS:HB3	17	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	9	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	9	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	9	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	10	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	10	0.25
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	10	0.25
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	13	0.25
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	6	0.25
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	6	0.25
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	6	0.25
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	17	0.25
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	17	0.25
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	17	0.25
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG21	15	0.25
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG22	15	0.25
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG23	15	0.25
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	20	0.25
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	20	0.25
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	20	0.25
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	8	0.25
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	14	0.25
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	15	0.25
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	13	0.25
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	20	0.25
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	20	0.25
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	20	0.25
(1,285)	1:90:A:GLU:HB3	1:87:A:LYS:HA	3	0.25
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	6	0.25
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	16	0.25
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	1	0.25
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	3	0.25
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	12	0.25
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	19	0.25
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	19	0.25
(1,6)	1:23:A:LEU:HD21	1:71:A:LYS:HB2	12	0.25
(1,6)	1:23:A:LEU:HD22	1:71:A:LYS:HB2	12	0.25
(1,6)	1:23:A:LEU:HD23	1:71:A:LYS:HB2	12	0.25
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	2	0.24
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	7	0.24
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	7	0.24
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	7	0.24
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	12	0.24
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	12	0.24
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	12	0.24
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	1	0.24
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	9	0.24
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	15	0.24
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	13	0.24
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	19	0.24
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	5	0.24
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	12	0.24
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	12	0.24
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	12	0.24
(2,2708)	1:109:A:ASP:HB2	1:110:A:GLU:H	13	0.24
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	12	0.24
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	3	0.24
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	16	0.24
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	6	0.24
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	10	0.24
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	14	0.24
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	20	0.24
(2,2671)	1:102:A:ILE:HG21	1:104:A:LYS:H	8	0.24
(2,2671)	1:102:A:ILE:HG22	1:104:A:LYS:H	8	0.24
(2,2671)	1:102:A:ILE:HG23	1:104:A:LYS:H	8	0.24
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	3	0.24
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG11	20	0.24
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG12	20	0.24
(2,2618)	1:94:A:ARG:H	1:100:A:VAL:HG13	20	0.24
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	6	0.24
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	8	0.24
(2,2602)	1:90:A:GLU:HA	1:93:A:ALA:H	1	0.24
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	11	0.24
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	11	0.24
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	11	0.24
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	11	0.24
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	11	0.24
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	15	0.24
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	3	0.24
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	1	0.24
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	5	0.24
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	16	0.24
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	17	0.24
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	17	0.24
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	17	0.24
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	8	0.24
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	15	0.24
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	8	0.24
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	15	0.24
(2,2425)	1:24:A:LEU:HG	1:73:A:LEU:H	18	0.24
(2,2413)	1:72:A:ILE:H	1:100:A:VAL:HA	1	0.24
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	12	0.24
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	12	0.24
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	12	0.24
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	2	0.24
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	5	0.24
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	5	0.24
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	5	0.24
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	15	0.24
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	15	0.24
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	15	0.24
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	7	0.24
(2,2274)	1:40:A:LYS:HB2	1:41:A:MET:H	8	0.24
(2,2242)	1:38:A:ALA:H	1:112:A:LYS:HG2	17	0.24
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	4	0.24
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	20	0.24
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	10	0.24
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	2	0.24
(2,2148)	1:27:A:ILE:H	1:51:A:THR:HG1	9	0.24
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	15	0.24
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	17	0.24
(2,2093)	1:96:A:LYS:HB2	1:96:A:LYS:H	10	0.24
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	14	0.24
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	12	0.24
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	3	0.24
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	19	0.24
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	17	0.24
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	1	0.24
(2,2024)	1:40:A:LYS:HG2	1:40:A:LYS:H	10	0.24
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	19	0.24
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	5	0.24
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	12	0.24
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	9	0.24
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	15	0.24
(2,1958)	1:112:A:LYS:HD3	1:112:A:LYS:H	6	0.24
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	13	0.24
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	20	0.24
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	2	0.24
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	8	0.24
(2,1937)	1:57:A:LYS:HD2	1:57:A:LYS:H	7	0.24
(2,1925)	1:32:A:LYS:HG3	1:32:A:LYS:H	8	0.24
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	9	0.24
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	12	0.24
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	5	0.24
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	9	0.24
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	10	0.24
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	2	0.24
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	16	0.24
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	20	0.24
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	8	0.24
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	20	0.24
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	6	0.24
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	5	0.24
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	6	0.24
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	9	0.24
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	10	0.24
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	1	0.24
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	1	0.24
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	1	0.24
(2,1753)	1:35:A:ILE:HG12	1:35:A:ILE:H	11	0.24
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	6	0.24
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	6	0.24
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	6	0.24
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	18	0.24
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	18	0.24
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	18	0.24
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	4	0.24
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	8	0.24
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	8	0.24
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	9	0.24
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	9	0.24
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	9	0.24
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	14	0.24
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	14	0.24
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	14	0.24
(2,1651)	1:115:A:ILE:H	1:114:A:TRP:H	17	0.24
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	1	0.24
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	10	0.24
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	18	0.24
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	20	0.24
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	1	0.24
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	19	0.24
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	20	0.24
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	12	0.24
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	12	0.24
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	4	0.24
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	17	0.24
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	10	0.24
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	10	0.24
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	10	0.24
(2,1551)	1:116:A:LYS:HB3	1:116:A:LYS:HE2	1	0.24
(2,1545)	1:58:A:LYS:HA	1:58:A:LYS:HB2	5	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	3	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	3	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	3	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	7	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	7	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	7	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	14	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	14	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	14	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	19	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	19	0.24
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	19	0.24
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	7	0.24
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	7	0.24
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	7	0.24
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	20	0.24
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	20	0.24
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	1	0.24
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	15	0.24
(2,1395)	1:116:A:LYS:H	1:116:A:LYS:HB3	4	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	4	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	4	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	4	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	4	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	4	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	4	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	4	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	4	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	4	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	8	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	8	0.24
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	8	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	8	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	8	0.24
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	8	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	8	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	8	0.24
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	8	0.24
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	8	0.24
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	8	0.24
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	8	0.24
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	10	0.24
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	10	0.24
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	10	0.24
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	16	0.24
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	16	0.24
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	16	0.24
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	2	0.24
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	14	0.24
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	13	0.24
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	13	0.24
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	13	0.24
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	10	0.24
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	17	0.24
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	19	0.24
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	1	0.24
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	1	0.24
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	20	0.24
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	2	0.24
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	9	0.24
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	14	0.24
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	13	0.24
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	4	0.24
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	18	0.24
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	19	0.24
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	19	0.24
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	19	0.24
(2,1283)	1:110:A:GLU:HB3	1:110:A:GLU:H	11	0.24
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	14	0.24
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	3	0.24
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	8	0.24
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	9	0.24
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	14	0.24
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	19	0.24
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	4	0.24
(2,1216)	1:105:A:VAL:HG11	1:75:A:LEU:HA	5	0.24
(2,1216)	1:105:A:VAL:HG12	1:75:A:LEU:HA	5	0.24
(2,1216)	1:105:A:VAL:HG13	1:75:A:LEU:HA	5	0.24
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	16	0.24
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	16	0.24
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	16	0.24
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	5	0.24
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	5	0.24
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	5	0.24
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	7	0.24
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	10	0.24
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD11	1	0.24
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD12	1	0.24
(2,1118)	1:76:A:LEU:HD21	1:102:A:ILE:HD13	1	0.24
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD11	1	0.24
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD12	1	0.24
(2,1118)	1:76:A:LEU:HD22	1:102:A:ILE:HD13	1	0.24
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD11	1	0.24
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD12	1	0.24
(2,1118)	1:76:A:LEU:HD23	1:102:A:ILE:HD13	1	0.24
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	10	0.24
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	10	0.24
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	10	0.24
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1106)	1:86:A:LYS:HG3	1:102:A:ILE:HB	15	0.24
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	16	0.24
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	20	0.24
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	2	0.24
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	2	0.24
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	2	0.24
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	20	0.24
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	2	0.24
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	15	0.24
(2,1007)	1:98:A:LEU:HD21	1:99:A:PRO:HD2	2	0.24
(2,1007)	1:98:A:LEU:HD22	1:99:A:PRO:HD2	2	0.24
(2,1007)	1:98:A:LEU:HD23	1:99:A:PRO:HD2	2	0.24
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	14	0.24
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	14	0.24
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	14	0.24
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	16	0.24
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	18	0.24
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	16	0.24
(2,976)	1:96:A:LYS:HA	1:96:A:LYS:HG2	8	0.24
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	1	0.24
(2,974)	1:94:A:ARG:HB3	1:94:A:ARG:HG2	12	0.24
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	13	0.24
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	4	0.24
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	4	0.24
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	4	0.24
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	1	0.24
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	7	0.24
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	10	0.24
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	12	0.24
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	20	0.24
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	9	0.24
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	12	0.24
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	16	0.24
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	3	0.24
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	18	0.24
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	13	0.24
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	2	0.24
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	2	0.24
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	2	0.24
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	13	0.24
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	13	0.24
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	4	0.24
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	15	0.24
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	16	0.24
(2,895)	1:86:A:LYS:HA	1:86:A:LYS:HB3	20	0.24
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	1	0.24
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	1	0.24
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	1	0.24
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	17	0.24
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	17	0.24
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	17	0.24
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	10	0.24
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	2	0.24
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	3	0.24
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	2	0.24
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	19	0.24
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	19	0.24
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	19	0.24
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD11	8	0.24
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD12	8	0.24
(2,659)	1:98:A:LEU:HB3	1:72:A:ILE:HD13	8	0.24
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	2	0.24
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	2	0.24
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	2	0.24
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	3	0.24
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	3	0.24
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	3	0.24
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	11	0.24
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	11	0.24
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	11	0.24
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	20	0.24
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	20	0.24
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	20	0.24
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	10	0.24
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	15	0.24
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	3	0.24
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	3	0.24
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	3	0.24
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	2	0.24
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	9	0.24
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	10	0.24
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	11	0.24
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	19	0.24
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	2	0.24
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	12	0.24
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	3	0.24
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	20	0.24
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	20	0.24
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	20	0.24
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	20	0.24
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	20	0.24
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	20	0.24
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	20	0.24
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	20	0.24
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	20	0.24
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	9	0.24
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	20	0.24
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	15	0.24
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	15	0.24
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	15	0.24
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	15	0.24
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	15	0.24
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	15	0.24
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	15	0.24
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	15	0.24
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	15	0.24
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	6	0.24
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	6	0.24
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	6	0.24
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	20	0.24
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	20	0.24
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	20	0.24
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	2	0.24
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	2	0.24
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	2	0.24
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD11	10	0.24
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD12	10	0.24
(2,417)	1:56:A:ASP:HA	1:59:A:ILE:HD13	10	0.24
(2,385)	1:121:A:GLU:HG2	1:121:A:GLU:H	15	0.24
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	6	0.24
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	14	0.24
(2,347)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	18	0.24
(2,347)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	18	0.24
(2,347)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	10	0.24
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	10	0.24
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	10	0.24
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	10	0.24
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	10	0.24
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	10	0.24
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	10	0.24
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	10	0.24
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	10	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	7	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	8	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	10	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	11	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	12	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	13	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	18	0.24
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	19	0.24
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	20	0.24
(2,299)	1:43:A:GLU:HA	1:43:A:GLU:HG3	19	0.24
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	1	0.24
(2,297)	1:43:A:GLU:HB3	1:43:A:GLU:HA	6	0.24
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG11	11	0.24
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG12	11	0.24
(2,290)	1:93:A:ALA:HB1	1:100:A:VAL:HG13	11	0.24
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG11	11	0.24
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG12	11	0.24
(2,290)	1:93:A:ALA:HB2	1:100:A:VAL:HG13	11	0.24
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG11	11	0.24
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG12	11	0.24
(2,290)	1:93:A:ALA:HB3	1:100:A:VAL:HG13	11	0.24
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	5	0.24
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	10	0.24
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	12	0.24
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	13	0.24
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	7	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	1	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	6	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	9	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	11	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	15	0.24
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	17	0.24
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	16	0.24
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	20	0.24
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	4	0.24
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	4	0.24
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	4	0.24
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD11	13	0.24
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD12	13	0.24
(2,241)	1:38:A:ALA:HB1	1:115:A:ILE:HD13	13	0.24
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD11	13	0.24
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD12	13	0.24
(2,241)	1:38:A:ALA:HB2	1:115:A:ILE:HD13	13	0.24
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD11	13	0.24
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD12	13	0.24
(2,241)	1:38:A:ALA:HB3	1:115:A:ILE:HD13	13	0.24
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	4	0.24
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	4	0.24
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	4	0.24
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	17	0.24
(2,203)	1:35:A:ILE:HA	1:38:A:ALA:H	4	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	1	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	1	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	1	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	8	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	8	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	8	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	17	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	17	0.24
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	17	0.24
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	18	0.24
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	18	0.24
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	18	0.24
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	10	0.24
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	10	0.24
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	10	0.24
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	9	0.24
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	9	0.24
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	9	0.24
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB1	18	0.24
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB2	18	0.24
(2,190)	1:34:A:LEU:HD11	1:38:A:ALA:HB3	18	0.24
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB1	18	0.24
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:34:A:LEU:HD12	1:38:A:ALA:HB3	18	0.24
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB1	18	0.24
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB2	18	0.24
(2,190)	1:34:A:LEU:HD13	1:38:A:ALA:HB3	18	0.24
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	1	0.24
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	4	0.24
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	8	0.24
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	8	0.24
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	8	0.24
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	9	0.24
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	9	0.24
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	9	0.24
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	13	0.24
(1,2096)	1:84:A:LYS:H	1:84:A:LYS:HG2	6	0.24
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	6	0.24
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	19	0.24
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	19	0.24
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	19	0.24
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	2	0.24
(1,1710)	1:25:A:VAL:H	1:49:A:LEU:HB2	15	0.24
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG11	9	0.24
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG12	9	0.24
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG13	9	0.24
(1,1575)	1:119:A:SER:H	1:120:A:GLU:HG3	10	0.24
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD11	4	0.24
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD12	4	0.24
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD13	4	0.24
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	14	0.24
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	1	0.24
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	4	0.24
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	6	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	6	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	6	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	6	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	13	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	13	0.24
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	13	0.24
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	9	0.24
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	16	0.24
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	6	0.24
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	15	0.24
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	15	0.24
(1,808)	1:110:A:GLU:H	1:109:A:ASP:HB2	16	0.24
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	10	0.24
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	10	0.24
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	10	0.24
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	9	0.24
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	12	0.24
(1,694)	1:101:A:ARG:HA	1:101:A:ARG:HB3	9	0.24
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	6	0.24
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	6	0.24
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	6	0.24
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	6	0.24
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	6	0.24
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	6	0.24
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	12	0.24
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	10	0.24
(1,578)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	17	0.24
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	11	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	8	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	8	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	8	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	17	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	17	0.24
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	17	0.24
(1,553)	1:85:A:VAL:HA	1:88:A:GLU:HG3	15	0.24
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	19	0.24
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	12	0.24
(1,510)	1:36:A:GLU:H	1:36:A:GLU:HG2	3	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	4	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	4	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	4	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	8	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	8	0.24
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	8	0.24
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	4	0.24
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	4	0.24
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	4	0.24
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	4	0.24
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	4	0.24
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	4	0.24
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	19	0.24
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	19	0.24
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	20	0.24
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	20	0.24
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	20	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	2	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	10	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	12	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	15	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	18	0.24
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	19	0.24
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	11	0.24
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	11	0.24
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	11	0.24
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	19	0.24
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	19	0.24
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	19	0.24
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	15	0.24
(1,216)	1:49:A:LEU:HA	1:49:A:LEU:HB3	12	0.24
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD21	17	0.24
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD22	17	0.24
(1,206)	1:23:A:LEU:HB2	1:47:A:LEU:HD23	17	0.24
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	17	0.24
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	9	0.24
(3,39)	1:28:A:TRP:O	1:77:A:GLU:H	13	0.23
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	18	0.23
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	18	0.23
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	18	0.23
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	19	0.23
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	19	0.23
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	19	0.23
(2,2810)	1:117:A:GLU:HB2	1:118:A:PHE:H	4	0.23
(2,2804)	1:117:A:GLU:H	1:116:A:LYS:HD2	12	0.23
(2,2760)	1:113:A:ARG:HD3	1:114:A:TRP:H	2	0.23
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	12	0.23
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	7	0.23
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	4	0.23
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	9	0.23
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	9	0.23
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	9	0.23
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	1	0.23
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	19	0.23
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	14	0.23
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	15	0.23
(2,2644)	1:93:A:ALA:HB1	1:100:A:VAL:H	20	0.23
(2,2644)	1:93:A:ALA:HB2	1:100:A:VAL:H	20	0.23
(2,2644)	1:93:A:ALA:HB3	1:100:A:VAL:H	20	0.23
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	7	0.23
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	18	0.23
(2,2601)	1:93:A:ALA:H	1:91:A:LYS:HA	7	0.23
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	14	0.23
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	14	0.23
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	14	0.23
(2,2589)	1:91:A:LYS:H	1:90:A:GLU:HG2	3	0.23
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	18	0.23
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	18	0.23
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	18	0.23
(2,2568)	1:86:A:LYS:HG3	1:87:A:LYS:H	11	0.23
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	19	0.23
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	4	0.23
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	12	0.23
(2,2497)	1:78:A:ASP:H	1:106:A:THR:HG1	5	0.23
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	12	0.23
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	12	0.23
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	12	0.23
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	14	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	2	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	4	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	5	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	10	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	17	0.23
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	18	0.23
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	1	0.23
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	14	0.23
(2,2402)	1:23:A:LEU:HA	1:71:A:LYS:H	17	0.23
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	3	0.23
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	15	0.23
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	15	0.23
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	15	0.23
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	7	0.23
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	6	0.23
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	20	0.23
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	20	0.23
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	7	0.23
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	7	0.23
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	3	0.23
(2,2198)	1:34:A:LEU:H	1:108:A:PRO:HG2	8	0.23
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	16	0.23
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	16	0.23
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	16	0.23
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	12	0.23
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	1	0.23
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	18	0.23
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	13	0.23
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	5	0.23
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	5	0.23
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	5	0.23
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	18	0.23
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	18	0.23
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	18	0.23
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	8	0.23
(2,2099)	1:87:A:LYS:H	1:87:A:LYS:HD3	5	0.23
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	20	0.23
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	1	0.23
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	15	0.23
(2,2062)	1:88:A:GLU:HG2	1:88:A:GLU:H	1	0.23
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	17	0.23
(2,2055)	1:121:A:GLU:HG3	1:121:A:GLU:H	18	0.23
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	11	0.23
(2,1982)	1:41:A:MET:HG2	1:41:A:MET:H	6	0.23
(2,1975)	1:39:A:ARG:HG3	1:39:A:ARG:H	15	0.23
(2,1966)	1:116:A:LYS:H	1:116:A:LYS:HG2	19	0.23
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	9	0.23
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	4	0.23
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	18	0.23
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	9	0.23
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	9	0.23
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	9	0.23
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	5	0.23
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	7	0.23
(2,1881)	1:103:A:ARG:H	1:103:A:ARG:HD2	2	0.23
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	3	0.23
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	1	0.23
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	1	0.23
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	12	0.23
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	17	0.23
(2,1840)	1:83:A:ASP:HB2	1:83:A:ASP:H	13	0.23
(2,1768)	1:47:A:LEU:HD21	1:47:A:LEU:H	9	0.23
(2,1768)	1:47:A:LEU:HD22	1:47:A:LEU:H	9	0.23
(2,1768)	1:47:A:LEU:HD23	1:47:A:LEU:H	9	0.23
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	5	0.23
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	16	0.23
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	18	0.23
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	12	0.23
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	12	0.23
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	1	0.23
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	2	0.23
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	4	0.23
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	8	0.23
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	17	0.23
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	19	0.23
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	5	0.23
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	16	0.23
(2,1566)	1:85:A:VAL:HG21	1:84:A:LYS:HB2	4	0.23
(2,1566)	1:85:A:VAL:HG22	1:84:A:LYS:HB2	4	0.23
(2,1566)	1:85:A:VAL:HG23	1:84:A:LYS:HB2	4	0.23
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	16	0.23
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	8	0.23
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	18	0.23
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	8	0.23
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	8	0.23
(2,1542)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	8	0.23
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	8	0.23
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	9	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	1	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	1	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	1	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	2	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	2	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	2	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	4	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	4	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	4	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	5	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	5	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	6	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	6	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	6	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	8	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	8	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	8	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	9	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	9	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	9	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	10	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	10	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	10	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	11	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	11	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	11	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	12	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	12	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	12	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	13	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	13	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	13	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	15	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	15	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	15	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	16	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	16	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	16	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	17	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	17	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	17	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	18	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	18	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	18	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG21	20	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG22	20	0.23
(2,1487)	1:62:A:ILE:HG13	1:62:A:ILE:HG23	20	0.23
(2,1474)	1:62:A:ILE:HD11	1:58:A:LYS:HG2	3	0.23
(2,1474)	1:62:A:ILE:HD12	1:58:A:LYS:HG2	3	0.23
(2,1474)	1:62:A:ILE:HD13	1:58:A:LYS:HG2	3	0.23
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	7	0.23
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	1	0.23
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	1	0.23
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	10	0.23
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	10	0.23
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	10	0.23
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	10	0.23
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	10	0.23
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	10	0.23
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	10	0.23
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	10	0.23
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	10	0.23
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	18	0.23
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	18	0.23
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	18	0.23
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD1	7	0.23
(2,1427)	1:119:A:SER:HA	1:118:A:PHE:HD2	7	0.23
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	3	0.23
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	7	0.23
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	16	0.23
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	18	0.23
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	13	0.23
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	13	0.23
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	13	0.23
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	3	0.23
(2,1398)	1:117:A:GLU:HA	1:120:A:GLU:H	7	0.23
(2,1393)	1:45:A:ALA:HB1	1:116:A:LYS:HA	14	0.23
(2,1393)	1:45:A:ALA:HB2	1:116:A:LYS:HA	14	0.23
(2,1393)	1:45:A:ALA:HB3	1:116:A:LYS:HA	14	0.23
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	9	0.23
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	15	0.23
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	19	0.23
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	7	0.23
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	7	0.23
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	7	0.23
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	13	0.23
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	13	0.23
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	13	0.23
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	15	0.23
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	15	0.23
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	15	0.23
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	18	0.23
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	18	0.23
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	4	0.23
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	4	0.23
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	4	0.23
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	2	0.23
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	2	0.23
(2,1351)	1:113:A:ARG:HD2	1:113:A:ARG:HG3	14	0.23
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	13	0.23
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	1	0.23
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	2	0.23
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	1	0.23
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	12	0.23
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	17	0.23
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	16	0.23
(2,1319)	1:41:A:MET:HB3	1:112:A:LYS:HA	5	0.23
(2,1305)	1:111:A:ALA:HB1	1:108:A:PRO:HA	12	0.23
(2,1305)	1:111:A:ALA:HB2	1:108:A:PRO:HA	12	0.23
(2,1305)	1:111:A:ALA:HB3	1:108:A:PRO:HA	12	0.23
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	5	0.23
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	7	0.23
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	12	0.23
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	17	0.23
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	18	0.23
(2,1252)	1:108:A:PRO:HG3	1:108:A:PRO:HD2	4	0.23
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	7	0.23
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	7	0.23
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	7	0.23
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	2	0.23
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	2	0.23
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	2	0.23
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	6	0.23
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	10	0.23
(2,1090)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	9	0.23
(2,1090)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	9	0.23
(2,1090)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	9	0.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	14	0.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	14	0.23
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	14	0.23
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	14	0.23
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	12	0.23
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	12	0.23
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	10	0.23
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	5	0.23
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	7	0.23
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	12	0.23
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	15	0.23
(2,993)	1:97:A:ASN:HA	1:97:A:ASN:HB3	19	0.23
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	8	0.23
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	8	0.23
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	8	0.23
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	19	0.23
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	5	0.23
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	10	0.23
(2,947)	1:90:A:GLU:HB3	1:90:A:GLU:H	19	0.23
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	8	0.23
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	10	0.23
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	11	0.23
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	20	0.23
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	2	0.23
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	18	0.23
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	20	0.23
(2,869)	1:82:A:ALA:HA	1:85:A:VAL:HB	15	0.23
(2,833)	1:82:A:ALA:HB1	1:104:A:LYS:HE2	3	0.23
(2,833)	1:82:A:ALA:HB2	1:104:A:LYS:HE2	3	0.23
(2,833)	1:82:A:ALA:HB3	1:104:A:LYS:HE2	3	0.23
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	18	0.23
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	1	0.23
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	12	0.23
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	2	0.23
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	2	0.23
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	2	0.23
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	6	0.23
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	6	0.23
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	6	0.23
(2,697)	1:73:A:LEU:HD21	1:101:A:ARG:HB3	4	0.23
(2,697)	1:73:A:LEU:HD22	1:101:A:ARG:HB3	4	0.23
(2,697)	1:73:A:LEU:HD23	1:101:A:ARG:HB3	4	0.23
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	8	0.23
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	8	0.23
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	8	0.23
(2,644)	1:24:A:LEU:H	1:72:A:ILE:HA	12	0.23
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	18	0.23
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	18	0.23
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	19	0.23
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	3	0.23
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	3	0.23
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	3	0.23
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	4	0.23
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	14	0.23
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	15	0.23
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	15	0.23
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	15	0.23
(2,497)	1:66:A:LEU:HG	1:63:A:LEU:HA	9	0.23
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	10	0.23
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	16	0.23
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	18	0.23
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	3	0.23
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	3	0.23
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	3	0.23
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	7	0.23
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	5	0.23
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	18	0.23
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	18	0.23
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	18	0.23
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	8	0.23
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	15	0.23
(2,404)	1:76:A:LEU:HD11	1:76:A:LEU:H	18	0.23
(2,404)	1:76:A:LEU:HD12	1:76:A:LEU:H	18	0.23
(2,404)	1:76:A:LEU:HD13	1:76:A:LEU:H	18	0.23
(2,396)	1:28:A:TRP:HA	1:52:A:LEU:HB2	15	0.23
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	8	0.23
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	8	0.23
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	8	0.23
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	14	0.23
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	14	0.23
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	14	0.23
(2,365)	1:66:A:LEU:HD21	1:66:A:LEU:HA	19	0.23
(2,365)	1:66:A:LEU:HD22	1:66:A:LEU:HA	19	0.23
(2,365)	1:66:A:LEU:HD23	1:66:A:LEU:HA	19	0.23
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	2	0.23
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	2	0.23
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	2	0.23
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	7	0.23
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	7	0.23
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	14	0.23
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	14	0.23
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	14	0.23
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	1	0.23
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	1	0.23
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	14	0.23
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	15	0.23
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	17	0.23
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	15	0.23
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	19	0.23
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	2	0.23
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	10	0.23
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	19	0.23
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	1	0.23
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	19	0.23
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	1	0.23
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	2	0.23
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	14	0.23
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	16	0.23
(2,275)	1:41:A:MET:HG2	1:112:A:LYS:HB3	12	0.23
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	5	0.23
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	10	0.23
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	13	0.23
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	18	0.23
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	6	0.23
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	17	0.23
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	17	0.23
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	17	0.23
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	9	0.23
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	2	0.23
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	2	0.23
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	2	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	4	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	4	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	4	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	16	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	16	0.23
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	16	0.23
(2,160)	1:80:A:LYS:HB2	1:80:A:LYS:HA	7	0.23
(2,122)	1:27:A:ILE:HB	1:28:A:TRP:HA	5	0.23
(2,55)	1:25:A:VAL:HA	1:73:A:LEU:H	12	0.23
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	10	0.23
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	10	0.23
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	9	0.23
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	9	0.23
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	9	0.23
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	7	0.23
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	7	0.23
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	7	0.23
(2,23)	1:49:A:LEU:HD11	1:49:A:LEU:HB3	14	0.23
(2,23)	1:49:A:LEU:HD12	1:49:A:LEU:HB3	14	0.23
(2,23)	1:49:A:LEU:HD13	1:49:A:LEU:HB3	14	0.23
(1,2140)	1:55:A:ASP:H	1:55:A:ASP:HB2	10	0.23
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	19	0.23
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	14	0.23
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	16	0.23
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	20	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG11	19	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG12	19	0.23
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG13	19	0.23
(1,1288)	1:31:A:ASP:H	1:35:A:ILE:HD11	5	0.23
(1,1288)	1:31:A:ASP:H	1:35:A:ILE:HD12	5	0.23
(1,1288)	1:31:A:ASP:H	1:35:A:ILE:HD13	5	0.23
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	2	0.23
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	2	0.23
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	2	0.23
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	2	0.23
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	2	0.23
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	2	0.23
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	2	0.23
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	7	0.23
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	7	0.23
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	7	0.23
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	4	0.23
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	4	0.23
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	4	0.23
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	16	0.23
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	16	0.23
(1,967)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	16	0.23
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	16	0.23
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	16	0.23
(1,967)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	16	0.23
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	16	0.23
(1,967)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	16	0.23
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	10	0.23
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	11	0.23
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	7	0.23
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	13	0.23
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	14	0.23
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	4	0.23
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	8	0.23
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	12	0.23
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	18	0.23
(1,880)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	8	0.23
(1,880)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	8	0.23
(1,880)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	8	0.23
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	4	0.23
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	4	0.23
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	4	0.23
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	6	0.23
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	6	0.23
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	6	0.23
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	10	0.23
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	10	0.23
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	10	0.23
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	19	0.23
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	19	0.23
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	19	0.23
(1,669)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	12	0.23
(1,669)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	12	0.23
(1,669)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	12	0.23
(1,643)	1:98:A:LEU:H	1:98:A:LEU:HB2	4	0.23
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	4	0.23
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	5	0.23
(1,495)	1:34:A:LEU:HD11	1:77:A:GLU:HA	2	0.23
(1,495)	1:34:A:LEU:HD12	1:77:A:GLU:HA	2	0.23
(1,495)	1:34:A:LEU:HD13	1:77:A:GLU:HA	2	0.23
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD21	19	0.23
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD22	19	0.23
(1,481)	1:76:A:LEU:HA	1:76:A:LEU:HD23	19	0.23
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	8	0.23
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	8	0.23
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	8	0.23
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	1	0.23
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	1	0.23
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	15	0.23
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	15	0.23
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	15	0.23
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	8	0.23
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	8	0.23
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	8	0.23
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	8	0.23
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	8	0.23
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	8	0.23
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	8	0.23
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	8	0.23
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	8	0.23
(1,458)	1:75:A:LEU:HB2	1:75:A:LEU:HA	11	0.23
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	6	0.23
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	6	0.23
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	6	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	1	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	3	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	4	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	5	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	6	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	7	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	9	0.23
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	20	0.23
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	3	0.23
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	3	0.23
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	3	0.23
(1,306)	1:63:A:LEU:HB2	1:60:A:GLU:HA	2	0.23
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	5	0.23
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	17	0.23
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	5	0.23
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	12	0.23
(1,216)	1:49:A:LEU:HA	1:49:A:LEU:HB3	11	0.23
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	18	0.23
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	18	0.23
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	18	0.23
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	5	0.23
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	5	0.23
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	5	0.23
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	5	0.23
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	5	0.23
(1,25)	1:24:A:LEU:HB2	1:72:A:ILE:HG13	17	0.23
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.23
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.23
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.23
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD21	3	0.23
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD22	3	0.23
(1,7)	1:23:A:LEU:HB2	1:23:A:LEU:HD23	3	0.23
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	14	0.22
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	3	0.22
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	15	0.22
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	1	0.22
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	6	0.22
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	18	0.22
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	14	0.22
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	20	0.22
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	13	0.22
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	13	0.22
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	13	0.22
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	11	0.22
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	11	0.22
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	11	0.22
(2,2707)	1:107:A:SER:HB2	1:110:A:GLU:H	8	0.22
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	5	0.22
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	12	0.22
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	19	0.22
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	13	0.22
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	13	0.22
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	13	0.22
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	20	0.22
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	4	0.22
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	14	0.22
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	20	0.22
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	3	0.22
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	3	0.22
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	3	0.22
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	2	0.22
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	2	0.22
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	2	0.22
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	17	0.22
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	7	0.22
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	10	0.22
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	13	0.22
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	16	0.22
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	3	0.22
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	13	0.22
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	15	0.22
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	17	0.22
(2,2501)	1:34:A:LEU:HD11	1:78:A:ASP:H	17	0.22
(2,2501)	1:34:A:LEU:HD12	1:78:A:ASP:H	17	0.22
(2,2501)	1:34:A:LEU:HD13	1:78:A:ASP:H	17	0.22
(2,2498)	1:78:A:ASP:H	1:79:A:THR:HG1	7	0.22
(2,2459)	1:76:A:LEU:HD11	1:77:A:GLU:H	4	0.22
(2,2459)	1:76:A:LEU:HD12	1:77:A:GLU:H	4	0.22
(2,2459)	1:76:A:LEU:HD13	1:77:A:GLU:H	4	0.22
(2,2455)	1:77:A:GLU:H	1:76:A:LEU:HB2	13	0.22
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	9	0.22
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	14	0.22
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	7	0.22
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	16	0.22
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	20	0.22
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	12	0.22
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	2	0.22
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	2	0.22
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	8	0.22
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	14	0.22
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	15	0.22
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	16	0.22
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	10	0.22
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	18	0.22
(2,2332)	1:25:A:VAL:HG21	1:49:A:LEU:H	8	0.22
(2,2332)	1:25:A:VAL:HG22	1:49:A:LEU:H	8	0.22
(2,2332)	1:25:A:VAL:HG23	1:49:A:LEU:H	8	0.22
(2,2317)	1:47:A:LEU:HD11	1:46:A:ASN:H	1	0.22
(2,2317)	1:47:A:LEU:HD12	1:46:A:ASN:H	1	0.22
(2,2317)	1:47:A:LEU:HD13	1:46:A:ASN:H	1	0.22
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	9	0.22
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	12	0.22
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	12	0.22
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	12	0.22
(2,2263)	1:36:A:GLU:HG2	1:40:A:LYS:H	10	0.22
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	15	0.22
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	15	0.22
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	7	0.22
(2,2238)	1:37:A:GLU:HG2	1:38:A:ALA:H	10	0.22
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	5	0.22
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	5	0.22
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	5	0.22
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	10	0.22
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	10	0.22
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	10	0.22
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	17	0.22
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	12	0.22
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	12	0.22
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	12	0.22
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	10	0.22
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	19	0.22
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	10	0.22
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	10	0.22
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	2	0.22
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	2	0.22
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	2	0.22
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	2	0.22
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	10	0.22
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	6	0.22
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	17	0.22
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	3	0.22
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	1	0.22
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	5	0.22
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	7	0.22
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	2	0.22
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	14	0.22
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	12	0.22
(2,1999)	1:76:A:LEU:H	1:76:A:LEU:HG	5	0.22
(2,1995)	1:73:A:LEU:H	1:73:A:LEU:HB2	14	0.22
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	14	0.22
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	6	0.22
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	19	0.22
(2,1950)	1:91:A:LYS:H	1:91:A:LYS:HG2	4	0.22
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	12	0.22
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	12	0.22
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	1	0.22
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	1	0.22
(2,1880)	1:103:A:ARG:H	1:103:A:ARG:HD3	3	0.22
(2,1876)	1:103:A:ARG:H	1:103:A:ARG:HB2	18	0.22
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	1	0.22
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	11	0.22
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	10	0.22
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	15	0.22
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	15	0.22
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	15	0.22
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	18	0.22
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	18	0.22
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	18	0.22
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	13	0.22
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	13	0.22
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	13	0.22
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	19	0.22
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	12	0.22
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	10	0.22
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	20	0.22
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	4	0.22
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	13	0.22
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	18	0.22
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	5	0.22
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	18	0.22
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	17	0.22
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	17	0.22
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	11	0.22
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	11	0.22
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	1	0.22
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	17	0.22
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	10	0.22
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	18	0.22
(2,1540)	1:39:A:ARG:HG2	1:43:A:GLU:HG2	5	0.22
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	11	0.22
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	18	0.22
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	18	0.22
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	18	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	17	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	17	0.22
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	17	0.22
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	17	0.22
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	17	0.22
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	1	0.22
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	8	0.22
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	4	0.22
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	4	0.22
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	4	0.22
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	1	0.22
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	1	0.22
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	1	0.22
(2,1445)	1:120:A:GLU:HA	1:120:A:GLU:HG2	9	0.22
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	10	0.22
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	12	0.22
(2,1398)	1:117:A:GLU:HA	1:120:A:GLU:H	18	0.22
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	5	0.22
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	6	0.22
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	13	0.22
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	20	0.22
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	20	0.22
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	20	0.22
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	8	0.22
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	8	0.22
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	8	0.22
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	9	0.22
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	9	0.22
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	9	0.22
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	12	0.22
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	17	0.22
(2,1341)	1:113:A:ARG:HA	1:113:A:ARG:HD3	20	0.22
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	5	0.22
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	14	0.22
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	1	0.22
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	3	0.22
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	4	0.22
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	14	0.22
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	19	0.22
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	16	0.22
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	16	0.22
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	16	0.22
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	17	0.22
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	17	0.22
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	17	0.22
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	20	0.22
(2,1273)	1:110:A:GLU:HG2	1:110:A:GLU:HA	9	0.22
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	2	0.22
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	12	0.22
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	7	0.22
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	7	0.22
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	7	0.22
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	3	0.22
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	1	0.22
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	1	0.22
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	1	0.22
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	10	0.22
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	9	0.22
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	8	0.22
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	8	0.22
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	8	0.22
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	18	0.22
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	18	0.22
(2,1093)	1:101:A:ARG:HD2	1:101:A:ARG:HB2	15	0.22
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	13	0.22
(2,1045)	1:99:A:PRO:HA	1:99:A:PRO:HG3	9	0.22
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	15	0.22
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	3	0.22
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	6	0.22
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	13	0.22
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	17	0.22
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	19	0.22
(2,1008)	1:98:A:LEU:HD21	1:70:A:VAL:HB	7	0.22
(2,1008)	1:98:A:LEU:HD22	1:70:A:VAL:HB	7	0.22
(2,1008)	1:98:A:LEU:HD23	1:70:A:VAL:HB	7	0.22
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	9	0.22
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	12	0.22
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	18	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	2	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	3	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	4	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	5	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	12	0.22
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	15	0.22
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	2	0.22
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	2	0.22
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	6	0.22
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	6	0.22
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	6	0.22
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	3	0.22
(2,953)	1:92:A:LYS:H	1:92:A:LYS:HA	20	0.22
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	14	0.22
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	17	0.22
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	6	0.22
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	6	0.22
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	6	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	2	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	3	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	4	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	8	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	14	0.22
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	18	0.22
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	1	0.22
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	1	0.22
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	1	0.22
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	6	0.22
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	6	0.22
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	6	0.22
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	1	0.22
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	16	0.22
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	10	0.22
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	3	0.22
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	17	0.22
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	8	0.22
(2,791)	1:77:A:GLU:HA	1:104:A:LYS:HA	11	0.22
(2,785)	1:76:A:LEU:HD11	1:87:A:LYS:H	8	0.22
(2,785)	1:76:A:LEU:HD12	1:87:A:LYS:H	8	0.22
(2,785)	1:76:A:LEU:HD13	1:87:A:LYS:H	8	0.22
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD11	10	0.22
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD12	10	0.22
(2,765)	1:75:A:LEU:HG	1:73:A:LEU:HD13	10	0.22
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	11	0.22
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	11	0.22
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	11	0.22
(2,757)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	15	0.22
(2,757)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	15	0.22
(2,757)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	15	0.22
(2,752)	1:75:A:LEU:HD11	1:111:A:ALA:HA	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,752)	1:75:A:LEU:HD12	1:111:A:ALA:HA	6	0.22
(2,752)	1:75:A:LEU:HD13	1:111:A:ALA:HA	6	0.22
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	5	0.22
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	5	0.22
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	5	0.22
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	7	0.22
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	7	0.22
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	7	0.22
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	20	0.22
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	20	0.22
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	20	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	3	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	3	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	3	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	3	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	3	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	3	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	3	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	3	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	3	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	19	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	19	0.22
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	19	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	19	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	19	0.22
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	19	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	19	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	19	0.22
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	19	0.22
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	12	0.22
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	12	0.22
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	12	0.22
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD11	15	0.22
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD12	15	0.22
(2,704)	1:118:A:PHE:HD1	1:73:A:LEU:HD13	15	0.22
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD11	15	0.22
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD12	15	0.22
(2,704)	1:118:A:PHE:HD2	1:73:A:LEU:HD13	15	0.22
(2,680)	1:25:A:VAL:HA	1:73:A:LEU:HB2	16	0.22
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	10	0.22
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	10	0.22
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	15	0.22
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	15	0.22
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	15	0.22
(2,642)	1:23:A:LEU:HD11	1:71:A:LYS:HB2	11	0.22
(2,642)	1:23:A:LEU:HD12	1:71:A:LYS:HB2	11	0.22
(2,642)	1:23:A:LEU:HD13	1:71:A:LYS:HB2	11	0.22
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	7	0.22
(2,635)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	14	0.22
(2,635)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	14	0.22
(2,635)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	14	0.22
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	19	0.22
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	4	0.22
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	5	0.22
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	7	0.22
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	12	0.22
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	13	0.22
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	8	0.22
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	13	0.22
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	13	0.22
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	13	0.22
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	3	0.22
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	13	0.22
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	15	0.22
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	19	0.22
(2,496)	1:66:A:LEU:HB3	1:63:A:LEU:HA	10	0.22
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	8	0.22
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	12	0.22
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	15	0.22
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	17	0.22
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	19	0.22
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	3	0.22
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	3	0.22
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	3	0.22
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	5	0.22
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	5	0.22
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	5	0.22
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	7	0.22
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	7	0.22
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	7	0.22
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	10	0.22
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	10	0.22
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	15	0.22
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	3	0.22
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	5	0.22
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	8	0.22
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	9	0.22
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	20	0.22
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	5	0.22
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	5	0.22
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	5	0.22
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	11	0.22
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	11	0.22
(2,345)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	11	0.22
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	11	0.22
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	11	0.22
(2,345)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	11	0.22
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	11	0.22
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	11	0.22
(2,345)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	11	0.22
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	15	0.22
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	15	0.22
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	15	0.22
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	14	0.22
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	3	0.22
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	9	0.22
(2,306)	1:45:A:ALA:H	1:45:A:ALA:HA	20	0.22
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	10	0.22
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	17	0.22
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	17	0.22
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	20	0.22
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	11	0.22
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	20	0.22
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	2	0.22
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	4	0.22
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	12	0.22
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	14	0.22
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	19	0.22
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	2	0.22
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	5	0.22
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	8	0.22
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	13	0.22
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	11	0.22
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	11	0.22
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	20	0.22
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	20	0.22
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	20	0.22
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	15	0.22
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	6	0.22
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	12	0.22
(2,226)	1:43:A:GLU:HB2	1:43:A:GLU:HA	15	0.22
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	10	0.22
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	10	0.22
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	10	0.22
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	4	0.22
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	13	0.22
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	6	0.22
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	6	0.22
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	6	0.22
(2,166)	1:33:A:LYS:HB2	1:34:A:LEU:H	11	0.22
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB1	11	0.22
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB2	11	0.22
(2,109)	1:27:A:ILE:HD11	1:38:A:ALA:HB3	11	0.22
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB1	11	0.22
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB2	11	0.22
(2,109)	1:27:A:ILE:HD12	1:38:A:ALA:HB3	11	0.22
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB1	11	0.22
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB2	11	0.22
(2,109)	1:27:A:ILE:HD13	1:38:A:ALA:HB3	11	0.22
(2,102)	1:27:A:ILE:HA	1:27:A:ILE:HB	14	0.22
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD11	14	0.22
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD12	14	0.22
(2,97)	1:23:A:LEU:HG	1:47:A:LEU:HD13	14	0.22
(1,2231)	1:95:A:LYS:H	1:95:A:LYS:HE2	16	0.22
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD21	20	0.22
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD22	20	0.22
(1,2188)	1:71:A:LYS:H	1:23:A:LEU:HD23	20	0.22
(1,2021)	1:102:A:ILE:H	1:74:A:VAL:HB	6	0.22
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	4	0.22
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG11	15	0.22
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG12	15	0.22
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG13	15	0.22
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG11	14	0.22
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG12	14	0.22
(1,1657)	1:113:A:ARG:H	1:105:A:VAL:HG13	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:87:A:LYS:H	1:87:A:LYS:HG3	8	0.22
(1,1275)	1:84:A:LYS:H	1:84:A:LYS:HE2	12	0.22
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	6	0.22
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	16	0.22
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	16	0.22
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	16	0.22
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	20	0.22
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	6	0.22
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	6	0.22
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	6	0.22
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	3	0.22
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	11	0.22
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	20	0.22
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	20	0.22
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	20	0.22
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	8	0.22
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	11	0.22
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	13	0.22
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	14	0.22
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	15	0.22
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	1	0.22
(1,922)	1:118:A:PHE:HB3	1:118:A:PHE:HA	5	0.22
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	1	0.22
(1,871)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	14	0.22
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	9	0.22
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	9	0.22
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	9	0.22
(1,734)	1:78:A:ASP:HB3	1:104:A:LYS:HA	2	0.22
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	10	0.22
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	13	0.22
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	10	0.22
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	10	0.22
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	10	0.22
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	19	0.22
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	19	0.22
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	19	0.22
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	2	0.22
(1,616)	1:92:A:LYS:HA	1:92:A:LYS:HB3	12	0.22
(1,585)	1:89:A:ILE:HA	1:92:A:LYS:HG3	3	0.22
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG21	1	0.22
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG22	1	0.22
(1,560)	1:85:A:VAL:HA	1:85:A:VAL:HG23	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD21	20	0.22
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD22	20	0.22
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD23	20	0.22
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	10	0.22
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	3	0.22
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	17	0.22
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	17	0.22
(1,503)	1:77:A:GLU:H	1:77:A:GLU:HB2	5	0.22
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD21	8	0.22
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD22	8	0.22
(1,474)	1:75:A:LEU:HA	1:75:A:LEU:HD23	8	0.22
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG21	20	0.22
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG22	20	0.22
(1,462)	1:75:A:LEU:HB3	1:105:A:VAL:HG23	20	0.22
(1,458)	1:75:A:LEU:HB2	1:75:A:LEU:HA	18	0.22
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	15	0.22
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	15	0.22
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	15	0.22
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	15	0.22
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	15	0.22
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	15	0.22
(1,380)	1:22:A:GLY:HA3	1:70:A:VAL:HA	5	0.22
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	8	0.22
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	11	0.22
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	14	0.22
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	16	0.22
(1,367)	1:68:A:PRO:HB2	1:68:A:PRO:HG2	17	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	1	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	1	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	1	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	17	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	17	0.22
(1,330)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	17	0.22
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	7	0.22
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	19	0.22
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	14	0.22
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	8	0.22
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	16	0.22
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	19	0.21
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	15	0.21
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	1	0.21
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	1	0.21
(2,2827)	1:73:A:LEU:HD11	1:119:A:SER:H	14	0.21
(2,2827)	1:73:A:LEU:HD12	1:119:A:SER:H	14	0.21
(2,2827)	1:73:A:LEU:HD13	1:119:A:SER:H	14	0.21
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	8	0.21
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	8	0.21
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	9	0.21
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	5	0.21
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	9	0.21
(2,2725)	1:112:A:LYS:HG2	1:111:A:ALA:H	2	0.21
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	4	0.21
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	17	0.21
(2,2702)	1:109:A:ASP:H	1:108:A:PRO:HD2	18	0.21
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	20	0.21
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	8	0.21
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	8	0.21
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	8	0.21
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	15	0.21
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	15	0.21
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	15	0.21
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	12	0.21
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	13	0.21
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	20	0.21
(2,2645)	1:73:A:LEU:HA	1:101:A:ARG:H	3	0.21
(2,2645)	1:73:A:LEU:HA	1:101:A:ARG:H	7	0.21
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	10	0.21
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	20	0.21
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	3	0.21
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	5	0.21
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	3	0.21
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	3	0.21
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	3	0.21
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	15	0.21
(2,2556)	1:86:A:LYS:H	1:87:A:LYS:HB2	15	0.21
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	6	0.21
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	14	0.21
(2,2490)	1:78:A:ASP:H	1:105:A:VAL:H	1	0.21
(2,2444)	1:76:A:LEU:H	1:75:A:LEU:HA	18	0.21
(2,2429)	1:100:A:VAL:HA	1:74:A:VAL:H	11	0.21
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	11	0.21
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	9	0.21
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	2	0.21
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	11	0.21
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	15	0.21
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	20	0.21
(2,2376)	1:59:A:ILE:HG21	1:63:A:LEU:H	10	0.21
(2,2376)	1:59:A:ILE:HG22	1:63:A:LEU:H	10	0.21
(2,2376)	1:59:A:ILE:HG23	1:63:A:LEU:H	10	0.21
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	13	0.21
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	1	0.21
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	1	0.21
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	1	0.21
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	4	0.21
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	4	0.21
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	4	0.21
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	14	0.21
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	14	0.21
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	14	0.21
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	13	0.21
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	17	0.21
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	18	0.21
(2,2337)	1:49:A:LEU:HB2	1:50:A:LEU:H	20	0.21
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	1	0.21
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	1	0.21
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	1	0.21
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	6	0.21
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	6	0.21
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	6	0.21
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	17	0.21
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	17	0.21
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	17	0.21
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	7	0.21
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	17	0.21
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	17	0.21
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	17	0.21
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	20	0.21
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	2	0.21
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	17	0.21
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	18	0.21
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	14	0.21
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	4	0.21
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	5	0.21
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	16	0.21
(2,2110)	1:81:A:ASP:H	1:81:A:ASP:HB2	12	0.21
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	17	0.21
(2,2073)	1:53:A:GLU:HB3	1:53:A:GLU:H	10	0.21
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	18	0.21
(2,2046)	1:117:A:GLU:H	1:117:A:GLU:HG2	11	0.21
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	10	0.21
(2,1995)	1:73:A:LEU:H	1:73:A:LEU:HB2	19	0.21
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	3	0.21
(2,1988)	1:50:A:LEU:H	1:50:A:LEU:HG	9	0.21
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	10	0.21
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	16	0.21
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	1	0.21
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	12	0.21
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	17	0.21
(2,1938)	1:86:A:LYS:H	1:86:A:LYS:HB2	3	0.21
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	6	0.21
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	10	0.21
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	3	0.21
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	20	0.21
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	6	0.21
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	7	0.21
(2,1893)	1:106:A:THR:H	1:106:A:THR:HB	5	0.21
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	12	0.21
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	12	0.21
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	12	0.21
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	1	0.21
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	15	0.21
(2,1747)	1:34:A:LEU:HB2	1:34:A:LEU:H	8	0.21
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	17	0.21
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	9	0.21
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	13	0.21
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	5	0.21
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	16	0.21
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	9	0.21
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	9	0.21
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	2	0.21
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	3	0.21
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	18	0.21
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	1	0.21
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	2	0.21
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1584)	1:45:A:ALA:H	1:46:A:ASN:H	9	0.21
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	11	0.21
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	18	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	6	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	7	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	8	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	9	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	11	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	12	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	14	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	18	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	19	0.21
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	20	0.21
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	1	0.21
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	1	0.21
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	1	0.21
(2,1508)	1:24:A:LEU:HD11	1:50:A:LEU:HB2	17	0.21
(2,1508)	1:24:A:LEU:HD12	1:50:A:LEU:HB2	17	0.21
(2,1508)	1:24:A:LEU:HD13	1:50:A:LEU:HB2	17	0.21
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	4	0.21
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	4	0.21
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	4	0.21
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	11	0.21
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	5	0.21
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	10	0.21
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	19	0.21
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	10	0.21
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	20	0.21
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	2	0.21
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	11	0.21
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD11	14	0.21
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD12	14	0.21
(2,1382)	1:111:A:ALA:HB1	1:115:A:ILE:HD13	14	0.21
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD11	14	0.21
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD12	14	0.21
(2,1382)	1:111:A:ALA:HB2	1:115:A:ILE:HD13	14	0.21
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD11	14	0.21
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD12	14	0.21
(2,1382)	1:111:A:ALA:HB3	1:115:A:ILE:HD13	14	0.21
(2,1379)	1:115:A:ILE:HD11	1:115:A:ILE:HA	17	0.21
(2,1379)	1:115:A:ILE:HD12	1:115:A:ILE:HA	17	0.21
(2,1379)	1:115:A:ILE:HD13	1:115:A:ILE:HA	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	7	0.21
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	7	0.21
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	7	0.21
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	19	0.21
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	19	0.21
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	19	0.21
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	6	0.21
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	6	0.21
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	6	0.21
(2,1367)	1:47:A:LEU:HD21	1:115:A:ILE:HA	2	0.21
(2,1367)	1:47:A:LEU:HD22	1:115:A:ILE:HA	2	0.21
(2,1367)	1:47:A:LEU:HD23	1:115:A:ILE:HA	2	0.21
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	6	0.21
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	7	0.21
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	11	0.21
(2,1359)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	14	0.21
(2,1359)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	14	0.21
(2,1359)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	14	0.21
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	10	0.21
(2,1328)	1:113:A:ARG:H	1:113:A:ARG:HA	9	0.21
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	15	0.21
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	19	0.21
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	1	0.21
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	11	0.21
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	17	0.21
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	8	0.21
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	9	0.21
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	15	0.21
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	16	0.21
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	9	0.21
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	13	0.21
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	13	0.21
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	13	0.21
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	7	0.21
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	7	0.21
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	7	0.21
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	7	0.21
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	7	0.21
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	7	0.21
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	7	0.21
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	7	0.21
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	15	0.21
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	11	0.21
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	15	0.21
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	11	0.21
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	11	0.21
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	11	0.21
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	7	0.21
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	16	0.21
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	16	0.21
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	16	0.21
(2,1128)	1:102:A:ILE:HG21	1:104:A:LYS:HG3	14	0.21
(2,1128)	1:102:A:ILE:HG22	1:104:A:LYS:HG3	14	0.21
(2,1128)	1:102:A:ILE:HG23	1:104:A:LYS:HG3	14	0.21
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	7	0.21
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	8	0.21
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	16	0.21
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	1	0.21
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	7	0.21
(2,1017)	1:99:A:PRO:HB2	1:99:A:PRO:HA	11	0.21
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	11	0.21
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	11	0.21
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	11	0.21
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	14	0.21
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	11	0.21
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	9	0.21
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	13	0.21
(2,980)	1:96:A:LYS:HA	1:96:A:LYS:HB3	19	0.21
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	1	0.21
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	1	0.21
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	1	0.21
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	5	0.21
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	8	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	1	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	2	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	4	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	5	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	6	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	13	0.21
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	14	0.21
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	4	0.21
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	4	0.21
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	5	0.21
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	5	0.21
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	5	0.21
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	18	0.21
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	18	0.21
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	18	0.21
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	1	0.21
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	1	0.21
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	1	0.21
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	20	0.21
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	20	0.21
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	20	0.21
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	15	0.21
(2,905)	1:102:A:ILE:HG21	1:86:A:LYS:HD2	3	0.21
(2,905)	1:102:A:ILE:HG22	1:86:A:LYS:HD2	3	0.21
(2,905)	1:102:A:ILE:HG23	1:86:A:LYS:HD2	3	0.21
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	10	0.21
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	10	0.21
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	10	0.21
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	15	0.21
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	15	0.21
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	15	0.21
(2,863)	1:85:A:VAL:HA	1:88:A:GLU:HB2	5	0.21
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	7	0.21
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	14	0.21
(2,792)	1:77:A:GLU:HA	1:105:A:VAL:H	15	0.21
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG11	11	0.21
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG12	11	0.21
(2,778)	1:76:A:LEU:HD21	1:85:A:VAL:HG13	11	0.21
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG11	11	0.21
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG12	11	0.21
(2,778)	1:76:A:LEU:HD22	1:85:A:VAL:HG13	11	0.21
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG11	11	0.21
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG12	11	0.21
(2,778)	1:76:A:LEU:HD23	1:85:A:VAL:HG13	11	0.21
(2,750)	1:75:A:LEU:HD11	1:75:A:LEU:HB3	13	0.21
(2,750)	1:75:A:LEU:HD12	1:75:A:LEU:HB3	13	0.21
(2,750)	1:75:A:LEU:HD13	1:75:A:LEU:HB3	13	0.21
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	10	0.21
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	13	0.21
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	13	0.21
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:102:A:ILE:HG21	1:74:A:VAL:HB	19	0.21
(2,675)	1:102:A:ILE:HG22	1:74:A:VAL:HB	19	0.21
(2,675)	1:102:A:ILE:HG23	1:74:A:VAL:HB	19	0.21
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	3	0.21
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	3	0.21
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	3	0.21
(2,654)	1:72:A:ILE:HB	1:100:A:VAL:HA	18	0.21
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	6	0.21
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	6	0.21
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	6	0.21
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	9	0.21
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	9	0.21
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	9	0.21
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	1	0.21
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	6	0.21
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	8	0.21
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	15	0.21
(2,525)	1:65:A:SER:HA	1:66:A:LEU:H	16	0.21
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	12	0.21
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD21	7	0.21
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD22	7	0.21
(2,510)	1:63:A:LEU:H	1:63:A:LEU:HD23	7	0.21
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD21	5	0.21
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD22	5	0.21
(2,509)	1:63:A:LEU:HA	1:63:A:LEU:HD23	5	0.21
(2,497)	1:66:A:LEU:HG	1:63:A:LEU:HA	17	0.21
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	1	0.21
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	6	0.21
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	13	0.21
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	14	0.21
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	13	0.21
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	13	0.21
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	13	0.21
(2,450)	1:59:A:ILE:HG12	1:59:A:ILE:H	5	0.21
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	12	0.21
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	12	0.21
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	12	0.21
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	9	0.21
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	9	0.21
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	9	0.21
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	20	0.21
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	4	0.21
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	11	0.21
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	14	0.21
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	16	0.21
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	17	0.21
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	3	0.21
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	3	0.21
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	3	0.21
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	5	0.21
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	5	0.21
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	5	0.21
(2,334)	1:26:A:LEU:HG	1:49:A:LEU:HA	7	0.21
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD11	4	0.21
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD12	4	0.21
(2,324)	1:23:A:LEU:HB3	1:47:A:LEU:HD13	4	0.21
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	4	0.21
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	18	0.21
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	14	0.21
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	4	0.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB1	20	0.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB2	20	0.21
(2,287)	1:49:A:LEU:HB2	1:42:A:ALA:HB3	20	0.21
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	6	0.21
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	8	0.21
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	18	0.21
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	7	0.21
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	20	0.21
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	3	0.21
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	17	0.21
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	4	0.21
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	2	0.21
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	6	0.21
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	7	0.21
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	7	0.21
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	7	0.21
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	17	0.21
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	17	0.21
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	17	0.21
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	3	0.21
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	3	0.21
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	3	0.21
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	17	0.21
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	17	0.21
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	17	0.21
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	17	0.21
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	17	0.21
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	17	0.21
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	17	0.21
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	17	0.21
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD21	10	0.21
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD22	10	0.21
(2,73)	1:25:A:VAL:HG21	1:49:A:LEU:HD23	10	0.21
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD21	10	0.21
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD22	10	0.21
(2,73)	1:25:A:VAL:HG22	1:49:A:LEU:HD23	10	0.21
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD21	10	0.21
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD22	10	0.21
(2,73)	1:25:A:VAL:HG23	1:49:A:LEU:HD23	10	0.21
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	1	0.21
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	1	0.21
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	1	0.21
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	18	0.21
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	18	0.21
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	18	0.21
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	8	0.21
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	8	0.21
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	8	0.21
(1,2021)	1:102:A:ILE:H	1:74:A:VAL:HB	14	0.21
(1,1821)	1:83:A:ASP:H	1:84:A:LYS:HB2	13	0.21
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	6	0.21
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	18	0.21
(1,1712)	1:63:A:LEU:H	1:63:A:LEU:HG	7	0.21
(1,1679)	1:87:A:LYS:H	1:87:A:LYS:HE2	8	0.21
(1,1479)	1:105:A:VAL:H	1:76:A:LEU:HB2	17	0.21
(1,1393)	1:42:A:ALA:H	1:40:A:LYS:HB3	19	0.21
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	17	0.21
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	8	0.21
(1,1198)	1:117:A:GLU:H	1:118:A:PHE:HB3	19	0.21
(1,1137)	1:78:A:ASP:H	1:76:A:LEU:HB2	12	0.21
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	11	0.21
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	5	0.21
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	19	0.21
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	8	0.21
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	4	0.21
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	16	0.21
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	16	0.21
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	16	0.21
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	13	0.21
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	15	0.21
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	15	0.21
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	15	0.21
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	20	0.21
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	20	0.21
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	20	0.21
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	20	0.21
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	20	0.21
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	20	0.21
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG21	4	0.21
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG22	4	0.21
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG23	4	0.21
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	18	0.21
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	18	0.21
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	18	0.21
(1,745)	1:104:A:LYS:HB2	1:104:A:LYS:HG3	6	0.21
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	10	0.21
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	4	0.21
(1,579)	1:86:A:LYS:HD2	1:86:A:LYS:HE2	19	0.21
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	5	0.21
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	5	0.21
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	5	0.21
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	4	0.21
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	14	0.21
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	4	0.21
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	11	0.21
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	11	0.21
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	11	0.21
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	11	0.21
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	11	0.21
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	11	0.21
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	11	0.21
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	11	0.21
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	11	0.21
(1,464)	1:27:A:ILE:HB	1:75:A:LEU:HB3	18	0.21
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	17	0.21
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	17	0.21
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	17	0.21
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	17	0.21
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	17	0.21
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	17	0.21
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	2	0.21
(1,341)	1:65:A:SER:H	1:65:A:SER:HB3	5	0.21
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	9	0.21
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	19	0.21
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	9	0.21
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	9	0.21
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	9	0.21
(1,306)	1:63:A:LEU:HB2	1:60:A:GLU:HA	3	0.21
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	3	0.21
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	18	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	9	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	9	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	9	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	19	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	19	0.21
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	19	0.21
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	12	0.21
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	14	0.21
(1,101)	1:34:A:LEU:HA	1:34:A:LEU:HD11	7	0.21
(1,101)	1:34:A:LEU:HA	1:34:A:LEU:HD12	7	0.21
(1,101)	1:34:A:LEU:HA	1:34:A:LEU:HD13	7	0.21
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	6	0.21
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	6	0.21
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	6	0.21
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	6	0.21
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	6	0.21
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	6	0.21
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	6	0.21
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	6	0.21
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	6	0.21
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD21	20	0.21
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD22	20	0.21
(1,51)	1:28:A:TRP:HB3	1:76:A:LEU:HD23	20	0.21
(1,25)	1:24:A:LEU:HB2	1:72:A:ILE:HG13	19	0.21
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	0.21
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	0.21
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	14	0.2
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	17	0.2
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	5	0.2
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	18	0.2
(2,2768)	1:75:A:LEU:HD21	1:114:A:TRP:H	1	0.2
(2,2768)	1:75:A:LEU:HD22	1:114:A:TRP:H	1	0.2
(2,2768)	1:75:A:LEU:HD23	1:114:A:TRP:H	1	0.2
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	3	0.2
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	3	0.2
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	3	0.2
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	20	0.2
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	20	0.2
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	20	0.2
(2,2754)	1:115:A:ILE:HD11	1:113:A:ARG:H	20	0.2
(2,2754)	1:115:A:ILE:HD12	1:113:A:ARG:H	20	0.2
(2,2754)	1:115:A:ILE:HD13	1:113:A:ARG:H	20	0.2
(2,2753)	1:105:A:VAL:HG21	1:113:A:ARG:H	7	0.2
(2,2753)	1:105:A:VAL:HG22	1:113:A:ARG:H	7	0.2
(2,2753)	1:105:A:VAL:HG23	1:113:A:ARG:H	7	0.2
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	19	0.2
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	3	0.2
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	3	0.2
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	3	0.2
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	1	0.2
(2,2694)	1:106:A:THR:HA	1:107:A:SER:H	5	0.2
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	12	0.2
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	12	0.2
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	12	0.2
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	7	0.2
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	17	0.2
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	14	0.2
(2,2657)	1:73:A:LEU:HD21	1:102:A:ILE:H	14	0.2
(2,2657)	1:73:A:LEU:HD22	1:102:A:ILE:H	14	0.2
(2,2657)	1:73:A:LEU:HD23	1:102:A:ILE:H	14	0.2
(2,2656)	1:101:A:ARG:HG2	1:102:A:ILE:H	12	0.2
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	3	0.2
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	2	0.2
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	3	0.2
(2,2568)	1:86:A:LYS:HG3	1:87:A:LYS:H	3	0.2
(2,2568)	1:86:A:LYS:HG3	1:87:A:LYS:H	18	0.2
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	13	0.2
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	11	0.2
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	4	0.2
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	3	0.2
(2,2465)	1:103:A:ARG:HG3	1:114:A:TRP:HE1	2	0.2
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	11	0.2
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	1	0.2
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	19	0.2
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	3	0.2
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	3	0.2
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	10	0.2
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	16	0.2
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	19	0.2
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	19	0.2
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	19	0.2
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	8	0.2
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	13	0.2
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	13	0.2
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	13	0.2
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	20	0.2
(2,2341)	1:50:A:LEU:HB2	1:51:A:THR:H	18	0.2
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	2	0.2
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	2	0.2
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	2	0.2
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	7	0.2
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	7	0.2
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	7	0.2
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	9	0.2
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	14	0.2
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	18	0.2
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	10	0.2
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	10	0.2
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	10	0.2
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	6	0.2
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	17	0.2
(2,2215)	1:32:A:LYS:HA	1:35:A:ILE:H	14	0.2
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	10	0.2
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	7	0.2
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	3	0.2
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	17	0.2
(2,2156)	1:27:A:ILE:HG12	1:28:A:TRP:H	3	0.2
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	3	0.2
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	9	0.2
(2,2140)	1:24:A:LEU:HG	1:26:A:LEU:H	13	0.2
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	16	0.2
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	1	0.2
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	8	0.2
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	14	0.2
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	17	0.2
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	18	0.2
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	4	0.2
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	18	0.2
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	5	0.2
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	9	0.2
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	11	0.2
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	6	0.2
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	10	0.2
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	4	0.2
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	5	0.2
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	9	0.2
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	13	0.2
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	4	0.2
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	12	0.2
(2,1932)	1:44:A:LYS:H	1:44:A:LYS:HE2	8	0.2
(2,1931)	1:44:A:LYS:H	1:44:A:LYS:HG3	18	0.2
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	14	0.2
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	17	0.2
(2,1922)	1:32:A:LYS:HB2	1:32:A:LYS:H	6	0.2
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	18	0.2
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	1	0.2
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	4	0.2
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	4	0.2
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	4	0.2
(2,1881)	1:103:A:ARG:H	1:103:A:ARG:HD2	16	0.2
(2,1862)	1:100:A:VAL:HG11	1:100:A:VAL:H	8	0.2
(2,1862)	1:100:A:VAL:HG12	1:100:A:VAL:H	8	0.2
(2,1862)	1:100:A:VAL:HG13	1:100:A:VAL:H	8	0.2
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	5	0.2
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	6	0.2
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	18	0.2
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	14	0.2
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	14	0.2
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	7	0.2
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	14	0.2
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	18	0.2
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	7	0.2
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	8	0.2
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	6	0.2
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	11	0.2
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	13	0.2
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	11	0.2
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	13	0.2
(2,1644)	1:111:A:ALA:H	1:110:A:GLU:H	12	0.2
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	1	0.2
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	16	0.2
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	2	0.2
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	3	0.2
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	2	0.2
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	3	0.2
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	8	0.2
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	2	0.2
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	14	0.2
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	18	0.2
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	8	0.2
(2,1553)	1:58:A:LYS:HA	1:58:A:LYS:HB2	13	0.2
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD21	5	0.2
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD22	5	0.2
(2,1524)	1:98:A:LEU:HD11	1:63:A:LEU:HD23	5	0.2
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD21	5	0.2
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD22	5	0.2
(2,1524)	1:98:A:LEU:HD12	1:63:A:LEU:HD23	5	0.2
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD21	5	0.2
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD22	5	0.2
(2,1524)	1:98:A:LEU:HD13	1:63:A:LEU:HD23	5	0.2
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	10	0.2
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	10	0.2
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	10	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	5	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	5	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	5	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	13	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	13	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	13	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	14	0.2
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	14	0.2
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	3	0.2
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	3	0.2
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	3	0.2
(2,1442)	1:23:A:LEU:HD21	1:119:A:SER:HB2	9	0.2
(2,1442)	1:23:A:LEU:HD22	1:119:A:SER:HB2	9	0.2
(2,1442)	1:23:A:LEU:HD23	1:119:A:SER:HB2	9	0.2
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	10	0.2
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	5	0.2
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	10	0.2
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	13	0.2
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	14	0.2
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	17	0.2
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	6	0.2
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	6	0.2
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	6	0.2
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	1	0.2
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	7	0.2
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	7	0.2
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	7	0.2
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	7	0.2
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	7	0.2
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	7	0.2
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	7	0.2
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	7	0.2
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	7	0.2
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	7	0.2
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	7	0.2
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	7	0.2
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	7	0.2
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	10	0.2
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	10	0.2
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	10	0.2
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	11	0.2
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	11	0.2
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	11	0.2
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	9	0.2
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	10	0.2
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	4	0.2
(2,1298)	1:111:A:ALA:HA	1:112:A:LYS:H	10	0.2
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	3	0.2
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	11	0.2
(2,1279)	1:113:A:ARG:H	1:110:A:GLU:HA	20	0.2
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	11	0.2
(2,1266)	1:34:A:LEU:HD11	1:108:A:PRO:HG2	1	0.2
(2,1266)	1:34:A:LEU:HD12	1:108:A:PRO:HG2	1	0.2
(2,1266)	1:34:A:LEU:HD13	1:108:A:PRO:HG2	1	0.2
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	2	0.2
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	19	0.2
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	19	0.2
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	19	0.2
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	12	0.2
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	12	0.2
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	12	0.2
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	12	0.2
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	12	0.2
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	12	0.2
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	12	0.2
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	12	0.2
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	12	0.2
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	4	0.2
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	12	0.2
(2,1194)	1:105:A:VAL:HB	1:111:A:ALA:H	12	0.2
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	14	0.2
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	17	0.2
(2,1179)	1:104:A:LYS:HG3	1:104:A:LYS:HD2	19	0.2
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	3	0.2
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	3	0.2
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	3	0.2
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	6	0.2
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	6	0.2
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	6	0.2
(2,1124)	1:76:A:LEU:HD11	1:102:A:ILE:HG12	10	0.2
(2,1124)	1:76:A:LEU:HD12	1:102:A:ILE:HG12	10	0.2
(2,1124)	1:76:A:LEU:HD13	1:102:A:ILE:HG12	10	0.2
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	7	0.2
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	7	0.2
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	7	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	1	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	2	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	3	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	5	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	6	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	7	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	8	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	9	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	10	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	11	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	12	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	13	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	14	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	15	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	16	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	17	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	19	0.2
(2,1103)	1:102:A:ILE:HB	1:102:A:ILE:HG12	20	0.2
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	14	0.2
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	4	0.2
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	5	0.2
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	8	0.2
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	17	0.2
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	19	0.2
(2,1074)	1:101:A:ARG:HG3	1:101:A:ARG:HA	4	0.2
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	20	0.2
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	20	0.2
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	20	0.2
(2,1046)	1:98:A:LEU:HA	1:99:A:PRO:HG3	12	0.2
(2,1038)	1:99:A:PRO:HD2	1:98:A:LEU:HB3	18	0.2
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	9	0.2
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	9	0.2
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	9	0.2
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	2	0.2
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	10	0.2
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	12	0.2
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	12	0.2
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	12	0.2
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	6	0.2
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	14	0.2
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	17	0.2
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	4	0.2
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	5	0.2
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	5	0.2
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	12	0.2
(2,951)	1:91:A:LYS:HA	1:94:A:ARG:HD2	9	0.2
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	3	0.2
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	15	0.2
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	18	0.2
(2,941)	1:91:A:LYS:H	1:90:A:GLU:HA	19	0.2
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	8	0.2
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	8	0.2
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	8	0.2
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	8	0.2
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	8	0.2
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	8	0.2
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	8	0.2
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	8	0.2
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	8	0.2
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	14	0.2
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	14	0.2
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	14	0.2
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	9	0.2
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	10	0.2
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	17	0.2
(2,890)	1:102:A:ILE:HG21	1:86:A:LYS:HA	19	0.2
(2,890)	1:102:A:ILE:HG22	1:86:A:LYS:HA	19	0.2
(2,890)	1:102:A:ILE:HG23	1:86:A:LYS:HA	19	0.2
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	13	0.2
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	13	0.2
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	13	0.2
(2,874)	1:85:A:VAL:HG11	1:89:A:ILE:HG12	12	0.2
(2,874)	1:85:A:VAL:HG12	1:89:A:ILE:HG12	12	0.2
(2,874)	1:85:A:VAL:HG13	1:89:A:ILE:HG12	12	0.2
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB1	5	0.2
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB2	5	0.2
(2,832)	1:104:A:LYS:HG3	1:82:A:ALA:HB3	5	0.2
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	9	0.2
(2,817)	1:79:A:THR:HB	1:79:A:THR:HA	7	0.2
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	4	0.2
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	8	0.2
(2,683)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	15	0.2
(2,683)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	15	0.2
(2,683)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	15	0.2
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	14	0.2
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	14	0.2
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	6	0.2
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	2	0.2
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	2	0.2
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	2	0.2
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	2	0.2
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	20	0.2
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	10	0.2
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	10	0.2
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	10	0.2
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	11	0.2
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	11	0.2
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	11	0.2
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	5	0.2
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	2	0.2
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	4	0.2
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	5	0.2
(2,469)	1:60:A:GLU:HB2	1:61:A:ASP:H	7	0.2
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	9	0.2
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	10	0.2
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	10	0.2
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	10	0.2
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	12	0.2
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	13	0.2
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	16	0.2
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	16	0.2
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	16	0.2
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	9	0.2
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	2	0.2
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	4	0.2
(2,378)	1:68:A:PRO:HB2	1:68:A:PRO:HA	2	0.2
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	9	0.2
(2,376)	1:53:A:GLU:HA	1:53:A:GLU:HG2	13	0.2
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	1	0.2
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	1	0.2
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	1	0.2
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	4	0.2
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	4	0.2
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	4	0.2
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	6	0.2
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	6	0.2
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	17	0.2
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	17	0.2
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	17	0.2
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	19	0.2
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	11	0.2
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	11	0.2
(2,353)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	11	0.2
(2,325)	1:47:A:LEU:HD11	1:119:A:SER:HA	19	0.2
(2,325)	1:47:A:LEU:HD12	1:119:A:SER:HA	19	0.2
(2,325)	1:47:A:LEU:HD13	1:119:A:SER:HA	19	0.2
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	2	0.2
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	17	0.2
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	20	0.2
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	3	0.2
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	9	0.2
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	15	0.2
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	20	0.2
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	6	0.2
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	9	0.2
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	12	0.2
(2,261)	1:41:A:MET:HA	1:41:A:MET:H	3	0.2
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	12	0.2
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	1	0.2
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	2	0.2
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	14	0.2
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	17	0.2
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	18	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	12	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	12	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	12	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	13	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	13	0.2
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	13	0.2
(2,192)	1:34:A:LEU:HD11	1:108:A:PRO:HA	1	0.2
(2,192)	1:34:A:LEU:HD12	1:108:A:PRO:HA	1	0.2
(2,192)	1:34:A:LEU:HD13	1:108:A:PRO:HA	1	0.2
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	12	0.2
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	13	0.2
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	17	0.2
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	9	0.2
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	9	0.2
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	20	0.2
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	20	0.2
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	20	0.2
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	9	0.2
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	9	0.2
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	9	0.2
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	12	0.2
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	12	0.2
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	12	0.2
(2,4)	1:41:A:MET:HA	1:41:A:MET:HG3	2	0.2
(1,2001)	1:114:A:TRP:H	1:73:A:LEU:HD11	5	0.2
(1,2001)	1:114:A:TRP:H	1:73:A:LEU:HD12	5	0.2
(1,2001)	1:114:A:TRP:H	1:73:A:LEU:HD13	5	0.2
(1,1933)	1:56:A:ASP:H	1:56:A:ASP:HB2	20	0.2
(1,1821)	1:83:A:ASP:H	1:84:A:LYS:HB2	4	0.2
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	10	0.2
(1,1716)	1:78:A:ASP:H	1:77:A:GLU:HG2	16	0.2
(1,1584)	1:92:A:LYS:H	1:92:A:LYS:HE2	8	0.2
(1,1393)	1:42:A:ALA:H	1:40:A:LYS:HB3	2	0.2
(1,1267)	1:119:A:SER:H	1:47:A:LEU:HD21	15	0.2
(1,1267)	1:119:A:SER:H	1:47:A:LEU:HD22	15	0.2
(1,1267)	1:119:A:SER:H	1:47:A:LEU:HD23	15	0.2
(1,1040)	1:113:A:ARG:H	1:112:A:LYS:HE3	16	0.2
(1,1036)	1:102:A:ILE:H	1:101:A:ARG:HD2	18	0.2
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	9	0.2
(1,995)	1:53:A:GLU:HB2	1:53:A:GLU:HA	7	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD21	14	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD22	14	0.2
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD23	14	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD21	14	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD22	14	0.2
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD23	14	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD21	14	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD22	14	0.2
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD23	14	0.2
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD11	18	0.2
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD12	18	0.2
(1,977)	1:26:A:LEU:HB3	1:52:A:LEU:HD13	18	0.2
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	7	0.2
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	16	0.2
(1,954)	1:59:A:ILE:HG12	1:50:A:LEU:HA	18	0.2
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:119:A:SER:H	1:119:A:SER:HB2	7	0.2
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	2	0.2
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	6	0.2
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	11	0.2
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	19	0.2
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	13	0.2
(1,868)	1:113:A:ARG:HD2	1:110:A:GLU:HA	15	0.2
(1,825)	1:105:A:VAL:HG11	1:110:A:GLU:HB3	8	0.2
(1,825)	1:105:A:VAL:HG12	1:110:A:GLU:HB3	8	0.2
(1,825)	1:105:A:VAL:HG13	1:110:A:GLU:HB3	8	0.2
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	12	0.2
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	12	0.2
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	12	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	4	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	4	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	4	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	8	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	8	0.2
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	8	0.2
(1,766)	1:105:A:VAL:HG11	1:110:A:GLU:HG2	18	0.2
(1,766)	1:105:A:VAL:HG12	1:110:A:GLU:HG2	18	0.2
(1,766)	1:105:A:VAL:HG13	1:110:A:GLU:HG2	18	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	8	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	8	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	8	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	20	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	20	0.2
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	20	0.2
(1,750)	1:104:A:LYS:H	1:104:A:LYS:HG3	18	0.2
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	20	0.2
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	2	0.2
(1,718)	1:74:A:VAL:HB	1:102:A:ILE:HG12	11	0.2
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	3	0.2
(1,576)	1:86:A:LYS:HB2	1:86:A:LYS:HA	3	0.2
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	1	0.2
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	19	0.2
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	14	0.2
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD11	3	0.2
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD12	3	0.2
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD13	3	0.2
(1,475)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	15	0.2
(1,475)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	15	0.2
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD11	2	0.2
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD12	2	0.2
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD13	2	0.2
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	3	0.2
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	9	0.2
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	8	0.2
(1,283)	1:59:A:ILE:HB	1:59:A:ILE:HG13	13	0.2
(1,260)	1:54:A:THR:H	1:54:A:THR:HB	10	0.2
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG21	8	0.2
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG22	8	0.2
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG23	8	0.2
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG21	8	0.2
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG22	8	0.2
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG23	8	0.2
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG21	8	0.2
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG22	8	0.2
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG23	8	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	16	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	16	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	16	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	20	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	20	0.2
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	20	0.2
(1,216)	1:49:A:LEU:HA	1:49:A:LEU:HB3	5	0.2
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	9	0.2
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	15	0.2
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	6	0.19
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	14	0.19
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	14	0.19
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	14	0.19
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	8	0.19
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	6	0.19
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	7	0.19
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	7	0.19
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	7	0.19
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	6	0.19
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	4	0.19
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	7	0.19
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	18	0.19
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	20	0.19
(2,2708)	1:109:A:ASP:HB2	1:110:A:GLU:H	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	2	0.19
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	5	0.19
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	9	0.19
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	18	0.19
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	4	0.19
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	19	0.19
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	2	0.19
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	1	0.19
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	1	0.19
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	1	0.19
(2,2635)	1:97:A:ASN:HA	1:98:A:LEU:H	12	0.19
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	12	0.19
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	19	0.19
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	2	0.19
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	20	0.19
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	18	0.19
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	18	0.19
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	18	0.19
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	10	0.19
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	19	0.19
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	17	0.19
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	3	0.19
(2,2503)	1:78:A:ASP:HA	1:79:A:THR:H	2	0.19
(2,2502)	1:79:A:THR:H	1:28:A:TRP:HZ3	6	0.19
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	18	0.19
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	9	0.19
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	18	0.19
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	18	0.19
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	18	0.19
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	2	0.19
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	16	0.19
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	19	0.19
(2,2436)	1:74:A:VAL:H	1:73:A:LEU:HG	14	0.19
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	17	0.19
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	18	0.19
(2,2418)	1:73:A:LEU:H	1:72:A:ILE:HA	12	0.19
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	14	0.19
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	14	0.19
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	14	0.19
(2,2369)	1:62:A:ILE:H	1:61:A:ASP:HB2	8	0.19
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	5	0.19
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	19	0.19
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	13	0.19
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	13	0.19
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	13	0.19
(2,2329)	1:49:A:LEU:H	1:48:A:TYR:HB3	8	0.19
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	4	0.19
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	4	0.19
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	4	0.19
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	18	0.19
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	19	0.19
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	19	0.19
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	19	0.19
(2,2242)	1:38:A:ALA:H	1:112:A:LYS:HG2	20	0.19
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	13	0.19
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	8	0.19
(2,2203)	1:32:A:LYS:HA	1:34:A:LEU:H	7	0.19
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	2	0.19
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	2	0.19
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	2	0.19
(2,2177)	1:30:A:ASN:H	1:77:A:GLU:HB2	13	0.19
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	9	0.19
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	3	0.19
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	6	0.19
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	11	0.19
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	13	0.19
(2,2128)	1:24:A:LEU:HG	1:25:A:VAL:H	16	0.19
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	7	0.19
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	3	0.19
(2,2112)	1:88:A:GLU:H	1:88:A:GLU:HB2	17	0.19
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	7	0.19
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	8	0.19
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	19	0.19
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	6	0.19
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	18	0.19
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	10	0.19
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	2	0.19
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	9	0.19
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	18	0.19
(2,2038)	1:110:A:GLU:HB2	1:110:A:GLU:H	13	0.19
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	10	0.19
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	12	0.19
(2,2023)	1:40:A:LYS:HG3	1:40:A:LYS:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2017)	1:33:A:LYS:HG3	1:33:A:LYS:H	13	0.19
(2,1998)	1:76:A:LEU:HB2	1:76:A:LEU:H	10	0.19
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	6	0.19
(2,1987)	1:50:A:LEU:H	1:50:A:LEU:HB2	17	0.19
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	2	0.19
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	3	0.19
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	20	0.19
(2,1881)	1:103:A:ARG:H	1:103:A:ARG:HD2	8	0.19
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	6	0.19
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	19	0.19
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	10	0.19
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	11	0.19
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	1	0.19
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	17	0.19
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	13	0.19
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	14	0.19
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	18	0.19
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	16	0.19
(2,1768)	1:47:A:LEU:HD21	1:47:A:LEU:H	3	0.19
(2,1768)	1:47:A:LEU:HD22	1:47:A:LEU:H	3	0.19
(2,1768)	1:47:A:LEU:HD23	1:47:A:LEU:H	3	0.19
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	13	0.19
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	14	0.19
(2,1765)	1:47:A:LEU:HB3	1:47:A:LEU:H	9	0.19
(2,1747)	1:34:A:LEU:HB2	1:34:A:LEU:H	20	0.19
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	8	0.19
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	17	0.19
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	17	0.19
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	17	0.19
(2,1730)	1:26:A:LEU:HD11	1:26:A:LEU:H	2	0.19
(2,1730)	1:26:A:LEU:HD12	1:26:A:LEU:H	2	0.19
(2,1730)	1:26:A:LEU:HD13	1:26:A:LEU:H	2	0.19
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	5	0.19
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	14	0.19
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	7	0.19
(2,1645)	1:84:A:LYS:H	1:83:A:ASP:H	7	0.19
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	8	0.19
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	11	0.19
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	17	0.19
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	9	0.19
(2,1624)	1:35:A:ILE:H	1:34:A:LEU:H	5	0.19
(2,1621)	1:94:A:ARG:H	1:93:A:ALA:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	20	0.19
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	8	0.19
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	5	0.19
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	1	0.19
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	2	0.19
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	2	0.19
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	11	0.19
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	4	0.19
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	14	0.19
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	12	0.19
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD11	12	0.19
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD12	12	0.19
(2,1504)	1:26:A:LEU:HB2	1:52:A:LEU:HD13	12	0.19
(2,1484)	1:59:A:ILE:HA	1:62:A:ILE:HG21	11	0.19
(2,1484)	1:59:A:ILE:HA	1:62:A:ILE:HG22	11	0.19
(2,1484)	1:59:A:ILE:HA	1:62:A:ILE:HG23	11	0.19
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	11	0.19
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	11	0.19
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	11	0.19
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	18	0.19
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	18	0.19
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	18	0.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	10	0.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	10	0.19
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	10	0.19
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	20	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	3	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	3	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	3	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	9	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	9	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	9	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	16	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	16	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	16	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	18	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	18	0.19
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	18	0.19
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	17	0.19
(2,1435)	1:120:A:GLU:H	1:119:A:SER:HB2	19	0.19
(2,1431)	1:47:A:LEU:HD11	1:119:A:SER:HA	9	0.19
(2,1431)	1:47:A:LEU:HD12	1:119:A:SER:HA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1431)	1:47:A:LEU:HD13	1:119:A:SER:HA	9	0.19
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	7	0.19
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	15	0.19
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	1	0.19
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	2	0.19
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	6	0.19
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	9	0.19
(2,1414)	1:118:A:PHE:HA	1:118:A:PHE:H	11	0.19
(2,1412)	1:118:A:PHE:HD1	1:118:A:PHE:HA	6	0.19
(2,1412)	1:118:A:PHE:HD2	1:118:A:PHE:HA	6	0.19
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	14	0.19
(2,1376)	1:115:A:ILE:HD11	1:42:A:ALA:HA	10	0.19
(2,1376)	1:115:A:ILE:HD12	1:42:A:ALA:HA	10	0.19
(2,1376)	1:115:A:ILE:HD13	1:42:A:ALA:HA	10	0.19
(2,1369)	1:73:A:LEU:HD11	1:115:A:ILE:HA	16	0.19
(2,1369)	1:73:A:LEU:HD12	1:115:A:ILE:HA	16	0.19
(2,1369)	1:73:A:LEU:HD13	1:115:A:ILE:HA	16	0.19
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	5	0.19
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	5	0.19
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	5	0.19
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	14	0.19
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	14	0.19
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	14	0.19
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	19	0.19
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	19	0.19
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	19	0.19
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	16	0.19
(2,1330)	1:113:A:ARG:HB2	1:113:A:ARG:HA	11	0.19
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	19	0.19
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	19	0.19
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	19	0.19
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	14	0.19
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	10	0.19
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	1	0.19
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	6	0.19
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	7	0.19
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	11	0.19
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	11	0.19
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	11	0.19
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	11	0.19
(2,1242)	1:34:A:LEU:HA	1:108:A:PRO:HA	1	0.19
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	19	0.19
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	19	0.19
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	19	0.19
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	19	0.19
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	19	0.19
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	19	0.19
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	19	0.19
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	19	0.19
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	19	0.19
(2,1194)	1:105:A:VAL:HB	1:111:A:ALA:H	3	0.19
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	2	0.19
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	3	0.19
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	20	0.19
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	2	0.19
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	2	0.19
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	2	0.19
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	12	0.19
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	12	0.19
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	12	0.19
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	14	0.19
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	14	0.19
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	14	0.19
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	19	0.19
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	19	0.19
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	19	0.19
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	20	0.19
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	20	0.19
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	20	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	8	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	8	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	8	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	13	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	13	0.19
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	13	0.19
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	20	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	6	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	7	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	9	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	13	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	14	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	15	0.19
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	19	0.19
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	7	0.19
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	7	0.19
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	7	0.19
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	4	0.19
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	4	0.19
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	4	0.19
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	2	0.19
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	9	0.19
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	20	0.19
(2,990)	1:46:A:ASN:H	1:46:A:ASN:HB2	3	0.19
(2,970)	1:93:A:ALA:HB1	1:90:A:GLU:HG2	20	0.19
(2,970)	1:93:A:ALA:HB2	1:90:A:GLU:HG2	20	0.19
(2,970)	1:93:A:ALA:HB3	1:90:A:GLU:HG2	20	0.19
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	14	0.19
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	14	0.19
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	14	0.19
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	10	0.19
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	6	0.19
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	16	0.19
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	15	0.19
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	15	0.19
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	15	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	13	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	13	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	13	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	15	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	15	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	15	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	17	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	17	0.19
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	17	0.19
(2,911)	1:32:A:LYS:HB3	1:32:A:LYS:H	6	0.19
(2,857)	1:84:A:LYS:HB2	1:85:A:VAL:H	14	0.19
(2,840)	1:86:A:LYS:HG2	1:83:A:ASP:HA	20	0.19
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	19	0.19
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	1	0.19
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	16	0.19
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	15	0.19
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	15	0.19
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	15	0.19
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	1	0.19
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	1	0.19
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	3	0.19
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	3	0.19
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	3	0.19
(2,751)	1:75:A:LEU:HD11	1:115:A:ILE:HG13	3	0.19
(2,751)	1:75:A:LEU:HD12	1:115:A:ILE:HG13	3	0.19
(2,751)	1:75:A:LEU:HD13	1:115:A:ILE:HG13	3	0.19
(2,732)	1:75:A:LEU:HG	1:75:A:LEU:HA	1	0.19
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	16	0.19
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	16	0.19
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	16	0.19
(2,707)	1:73:A:LEU:HD11	1:115:A:ILE:HA	10	0.19
(2,707)	1:73:A:LEU:HD12	1:115:A:ILE:HA	10	0.19
(2,707)	1:73:A:LEU:HD13	1:115:A:ILE:HA	10	0.19
(2,703)	1:73:A:LEU:HD11	1:118:A:PHE:H	10	0.19
(2,703)	1:73:A:LEU:HD12	1:118:A:PHE:H	10	0.19
(2,703)	1:73:A:LEU:HD13	1:118:A:PHE:H	10	0.19
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	18	0.19
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	18	0.19
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	18	0.19
(2,689)	1:73:A:LEU:HD21	1:101:A:ARG:H	8	0.19
(2,689)	1:73:A:LEU:HD22	1:101:A:ARG:H	8	0.19
(2,689)	1:73:A:LEU:HD23	1:101:A:ARG:H	8	0.19
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	18	0.19
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	18	0.19
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	18	0.19
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	3	0.19
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	16	0.19
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	17	0.19
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	8	0.19
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	14	0.19
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD21	12	0.19
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD22	12	0.19
(2,501)	1:63:A:LEU:HA	1:63:A:LEU:HD23	12	0.19
(2,499)	1:66:A:LEU:HD11	1:63:A:LEU:HA	5	0.19
(2,499)	1:66:A:LEU:HD12	1:63:A:LEU:HA	5	0.19
(2,499)	1:66:A:LEU:HD13	1:63:A:LEU:HA	5	0.19
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	2	0.19
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	6	0.19
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	11	0.19
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:62:A:ILE:HA	1:63:A:LEU:H	11	0.19
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	15	0.19
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	11	0.19
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	6	0.19
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	6	0.19
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	6	0.19
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	8	0.19
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	8	0.19
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	8	0.19
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	11	0.19
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	11	0.19
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	11	0.19
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	15	0.19
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	15	0.19
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	15	0.19
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	5	0.19
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	14	0.19
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	12	0.19
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	12	0.19
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	12	0.19
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	14	0.19
(2,374)	1:50:A:LEU:HD21	1:59:A:ILE:HG12	9	0.19
(2,374)	1:50:A:LEU:HD22	1:59:A:ILE:HG12	9	0.19
(2,374)	1:50:A:LEU:HD23	1:59:A:ILE:HG12	9	0.19
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	12	0.19
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	12	0.19
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	12	0.19
(2,371)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	20	0.19
(2,371)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	20	0.19
(2,371)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	20	0.19
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD11	9	0.19
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD12	9	0.19
(2,352)	1:50:A:LEU:HB2	1:50:A:LEU:HD13	9	0.19
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD21	11	0.19
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD22	11	0.19
(2,349)	1:25:A:VAL:HB	1:49:A:LEU:HD23	11	0.19
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	6	0.19
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	2	0.19
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	13	0.19
(2,304)	1:41:A:MET:HA	1:41:A:MET:HB2	14	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	6	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	6	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	6	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	6	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	6	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	6	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	6	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	6	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	14	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	14	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	14	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	14	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	14	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	14	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	14	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	14	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	14	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG21	16	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG22	16	0.19
(2,289)	1:42:A:ALA:HB1	1:115:A:ILE:HG23	16	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG21	16	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG22	16	0.19
(2,289)	1:42:A:ALA:HB2	1:115:A:ILE:HG23	16	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG21	16	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG22	16	0.19
(2,289)	1:42:A:ALA:HB3	1:115:A:ILE:HG23	16	0.19
(2,284)	1:42:A:ALA:H	1:42:A:ALA:HA	19	0.19
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	8	0.19
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	5	0.19
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	6	0.19
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	20	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	2	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	2	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	2	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD11	9	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD12	9	0.19
(2,274)	1:41:A:MET:HG2	1:115:A:ILE:HD13	9	0.19
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	4	0.19
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	7	0.19
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	12	0.19
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	16	0.19
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	20	0.19
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB1	5	0.19
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB2	5	0.19
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB3	5	0.19
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	19	0.19
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	16	0.19
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	5	0.19
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	5	0.19
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	5	0.19
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	14	0.19
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	14	0.19
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	14	0.19
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	9	0.19
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	9	0.19
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	9	0.19
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	9	0.19
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	9	0.19
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	9	0.19
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	9	0.19
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	9	0.19
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	9	0.19
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	20	0.19
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	2	0.19
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	8	0.19
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	5	0.19
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	5	0.19
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	5	0.19
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	12	0.19
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	12	0.19
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	12	0.19
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	12	0.19
(1,2127)	1:49:A:LEU:H	1:49:A:LEU:HD11	20	0.19
(1,2127)	1:49:A:LEU:H	1:49:A:LEU:HD12	20	0.19
(1,2127)	1:49:A:LEU:H	1:49:A:LEU:HD13	20	0.19
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	16	0.19
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	16	0.19
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	16	0.19
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	4	0.19
(1,1201)	1:91:A:LYS:H	1:91:A:LYS:HE2	8	0.19
(1,1040)	1:113:A:ARG:H	1:112:A:LYS:HE3	15	0.19
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	17	0.19
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	10	0.19
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	19	0.19
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD21	16	0.19
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD22	16	0.19
(1,989)	1:63:A:LEU:HD21	1:98:A:LEU:HD23	16	0.19
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD21	16	0.19
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD22	16	0.19
(1,989)	1:63:A:LEU:HD22	1:98:A:LEU:HD23	16	0.19
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD21	16	0.19
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD22	16	0.19
(1,989)	1:63:A:LEU:HD23	1:98:A:LEU:HD23	16	0.19
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD11	7	0.19
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD12	7	0.19
(1,976)	1:52:A:LEU:HD11	1:89:A:ILE:HD13	7	0.19
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD11	7	0.19
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD12	7	0.19
(1,976)	1:52:A:LEU:HD12	1:89:A:ILE:HD13	7	0.19
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD11	7	0.19
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD12	7	0.19
(1,976)	1:52:A:LEU:HD13	1:89:A:ILE:HD13	7	0.19
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	17	0.19
(1,923)	1:118:A:PHE:H	1:118:A:PHE:HB2	17	0.19
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	5	0.19
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	5	0.19
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	5	0.19
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	5	0.19
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	5	0.19
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	5	0.19
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	5	0.19
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	5	0.19
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	5	0.19
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	15	0.19
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	16	0.19
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	5	0.19
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	15	0.19
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	4	0.19
(1,509)	1:36:A:GLU:HA	1:36:A:GLU:HG2	15	0.19
(1,507)	1:34:A:LEU:HD11	1:77:A:GLU:HG2	5	0.19
(1,507)	1:34:A:LEU:HD12	1:77:A:GLU:HG2	5	0.19
(1,507)	1:34:A:LEU:HD13	1:77:A:GLU:HG2	5	0.19
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	10	0.19
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	4	0.19
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	10	0.19
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	10	0.19
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	10	0.19
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD21	3	0.19
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD22	3	0.19
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD23	3	0.19
(1,458)	1:75:A:LEU:HB2	1:75:A:LEU:HA	19	0.19
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD11	16	0.19
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD12	16	0.19
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD13	16	0.19
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD21	2	0.19
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD22	2	0.19
(1,436)	1:101:A:ARG:HB2	1:73:A:LEU:HD23	2	0.19
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	3	0.19
(1,384)	1:70:A:VAL:HA	1:70:A:VAL:HB	14	0.19
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	18	0.19
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	20	0.19
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	16	0.19
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	16	0.19
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	16	0.19
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	15	0.19
(1,294)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	14	0.19
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	3	0.19
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	3	0.19
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	3	0.19
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	10	0.19
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	10	0.19
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	10	0.19
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB1	17	0.19
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB2	17	0.19
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB3	17	0.19
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB1	17	0.19
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB2	17	0.19
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB3	17	0.19
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB1	17	0.19
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB2	17	0.19
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB3	17	0.19
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	20	0.19
(1,165)	1:44:A:LYS:HD2	1:41:A:MET:HA	5	0.19
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	18	0.19
(1,114)	1:34:A:LEU:HB2	1:34:A:LEU:HG	16	0.19
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD21	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD22	5	0.19
(1,52)	1:28:A:TRP:HB2	1:76:A:LEU:HD23	5	0.19
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD11	10	0.19
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD12	10	0.19
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD13	10	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD11	10	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD12	10	0.19
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD13	10	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD11	10	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD12	10	0.19
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD13	10	0.19
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	3	0.19
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	1	0.18
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	3	0.18
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	3	0.18
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	3	0.18
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	14	0.18
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	14	0.18
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	14	0.18
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	5	0.18
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	11	0.18
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	8	0.18
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	8	0.18
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	8	0.18
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	4	0.18
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	8	0.18
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	6	0.18
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	16	0.18
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	17	0.18
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	15	0.18
(2,2684)	1:105:A:VAL:HA	1:106:A:THR:H	18	0.18
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	4	0.18
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	4	0.18
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	4	0.18
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	2	0.18
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	3	0.18
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	7	0.18
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	10	0.18
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	4	0.18
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	8	0.18
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	20	0.18
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	4	0.18
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	7	0.18
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	19	0.18
(2,2622)	1:94:A:ARG:HD2	1:95:A:LYS:H	18	0.18
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	18	0.18
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	19	0.18
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	19	0.18
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	19	0.18
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	13	0.18
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	13	0.18
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	13	0.18
(2,2568)	1:86:A:LYS:HG3	1:87:A:LYS:H	16	0.18
(2,2535)	1:83:A:ASP:H	1:84:A:LYS:HD2	5	0.18
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	18	0.18
(2,2520)	1:82:A:ALA:H	1:81:A:ASP:HB2	1	0.18
(2,2518)	1:82:A:ALA:H	1:28:A:TRP:HZ3	8	0.18
(2,2515)	1:79:A:THR:HB	1:82:A:ALA:H	17	0.18
(2,2456)	1:77:A:GLU:H	1:76:A:LEU:HG	8	0.18
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	6	0.18
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	14	0.18
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	7	0.18
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	5	0.18
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	8	0.18
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	9	0.18
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	15	0.18
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	18	0.18
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	16	0.18
(2,2385)	1:65:A:SER:HB3	1:66:A:LEU:H	6	0.18
(2,2358)	1:56:A:ASP:HB2	1:57:A:LYS:H	15	0.18
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	8	0.18
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	8	0.18
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	8	0.18
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	3	0.18
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	3	0.18
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	3	0.18
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	12	0.18
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	12	0.18
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	12	0.18
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	20	0.18
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	20	0.18
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	20	0.18
(2,2342)	1:50:A:LEU:HG	1:51:A:THR:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2341)	1:50:A:LEU:HB2	1:51:A:THR:H	9	0.18
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	5	0.18
(2,2339)	1:49:A:LEU:HD21	1:50:A:LEU:H	9	0.18
(2,2339)	1:49:A:LEU:HD22	1:50:A:LEU:H	9	0.18
(2,2339)	1:49:A:LEU:HD23	1:50:A:LEU:H	9	0.18
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	4	0.18
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	4	0.18
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	4	0.18
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	14	0.18
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	14	0.18
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	14	0.18
(2,2331)	1:24:A:LEU:HD21	1:49:A:LEU:H	12	0.18
(2,2331)	1:24:A:LEU:HD22	1:49:A:LEU:H	12	0.18
(2,2331)	1:24:A:LEU:HD23	1:49:A:LEU:H	12	0.18
(2,2316)	1:44:A:LYS:HB2	1:46:A:ASN:H	19	0.18
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	12	0.18
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	12	0.18
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	12	0.18
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	15	0.18
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	2	0.18
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	2	0.18
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	2	0.18
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	9	0.18
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	9	0.18
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	9	0.18
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	16	0.18
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	16	0.18
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	16	0.18
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	18	0.18
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	18	0.18
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	18	0.18
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	1	0.18
(2,2179)	1:30:A:ASN:HA	1:31:A:ASP:H	19	0.18
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	20	0.18
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	6	0.18
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	14	0.18
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	15	0.18
(2,2144)	1:27:A:ILE:H	1:51:A:THR:HA	6	0.18
(2,2144)	1:27:A:ILE:H	1:51:A:THR:HA	17	0.18
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	2	0.18
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG21	18	0.18
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG22	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2129)	1:25:A:VAL:H	1:72:A:ILE:HG23	18	0.18
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	12	0.18
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	19	0.18
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	13	0.18
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	3	0.18
(2,2099)	1:87:A:LYS:H	1:87:A:LYS:HD3	6	0.18
(2,2098)	1:87:A:LYS:H	1:87:A:LYS:HD2	20	0.18
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	8	0.18
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	11	0.18
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	14	0.18
(2,2085)	1:95:A:LYS:H	1:95:A:LYS:HG3	18	0.18
(2,2076)	1:53:A:GLU:HG2	1:53:A:GLU:H	6	0.18
(2,2074)	1:53:A:GLU:HB2	1:53:A:GLU:H	15	0.18
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	10	0.18
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	12	0.18
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	1	0.18
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	16	0.18
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	17	0.18
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	18	0.18
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	16	0.18
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	14	0.18
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	10	0.18
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	8	0.18
(2,1916)	1:43:A:GLU:HB3	1:43:A:GLU:H	12	0.18
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	14	0.18
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	17	0.18
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	3	0.18
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	3	0.18
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	3	0.18
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	14	0.18
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	14	0.18
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	14	0.18
(2,1872)	1:102:A:ILE:HG13	1:102:A:ILE:H	4	0.18
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	7	0.18
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	7	0.18
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	7	0.18
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	11	0.18
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	16	0.18
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	19	0.18
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	3	0.18
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	3	0.18
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	16	0.18
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	6	0.18
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	17	0.18
(2,1753)	1:35:A:ILE:HG12	1:35:A:ILE:H	14	0.18
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	12	0.18
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	14	0.18
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	4	0.18
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	4	0.18
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	4	0.18
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	13	0.18
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	14	0.18
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	10	0.18
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	10	0.18
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	15	0.18
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	19	0.18
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	20	0.18
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	11	0.18
(2,1560)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	14	0.18
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	3	0.18
(2,1539)	1:117:A:GLU:HG2	1:113:A:ARG:HG3	14	0.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD21	10	0.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD22	10	0.18
(2,1488)	1:62:A:ILE:HG21	1:63:A:LEU:HD23	10	0.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD21	10	0.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD22	10	0.18
(2,1488)	1:62:A:ILE:HG22	1:63:A:LEU:HD23	10	0.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD21	10	0.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD22	10	0.18
(2,1488)	1:62:A:ILE:HG23	1:63:A:LEU:HD23	10	0.18
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	6	0.18
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	6	0.18
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	6	0.18
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	1	0.18
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	3	0.18
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	14	0.18
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	12	0.18
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	12	0.18
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	12	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	4	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	4	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	4	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	7	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	7	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	15	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	15	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	15	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	17	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	17	0.18
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	17	0.18
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	9	0.18
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	19	0.18
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	3	0.18
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	4	0.18
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	18	0.18
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	20	0.18
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	12	0.18
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	12	0.18
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	12	0.18
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	12	0.18
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	12	0.18
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	12	0.18
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	12	0.18
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	12	0.18
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	12	0.18
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	9	0.18
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	3	0.18
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	6	0.18
(2,1342)	1:113:A:ARG:HD3	1:110:A:GLU:HA	6	0.18
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	8	0.18
(2,1320)	1:112:A:LYS:HB3	1:112:A:LYS:HA	13	0.18
(2,1318)	1:41:A:MET:HG2	1:112:A:LYS:HA	12	0.18
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	15	0.18
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	14	0.18
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	20	0.18
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	3	0.18
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	14	0.18
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	18	0.18
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	4	0.18
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	4	0.18
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	4	0.18
(2,1224)	1:106:A:THR:HG1	1:106:A:THR:HB	6	0.18
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	16	0.18
(2,1189)	1:34:A:LEU:HD11	1:105:A:VAL:HB	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1189)	1:34:A:LEU:HD12	1:105:A:VAL:HB	18	0.18
(2,1189)	1:34:A:LEU:HD13	1:105:A:VAL:HB	18	0.18
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	20	0.18
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	20	0.18
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	20	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	1	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	1	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	1	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	7	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	7	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	7	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	11	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	11	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	11	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	15	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	15	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	15	0.18
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	17	0.18
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	17	0.18
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	17	0.18
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	11	0.18
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD11	19	0.18
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD12	19	0.18
(2,1114)	1:90:A:GLU:H	1:102:A:ILE:HD13	19	0.18
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	1	0.18
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	16	0.18
(2,1086)	1:101:A:ARG:HB3	1:101:A:ARG:HG3	18	0.18
(2,1080)	1:73:A:LEU:HA	1:101:A:ARG:HB3	9	0.18
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	19	0.18
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG11	16	0.18
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG12	16	0.18
(2,1067)	1:100:A:VAL:HA	1:74:A:VAL:HG13	16	0.18
(2,1046)	1:98:A:LEU:HA	1:99:A:PRO:HG3	15	0.18
(2,992)	1:97:A:ASN:HB3	1:95:A:LYS:H	1	0.18
(2,971)	1:94:A:ARG:HA	1:94:A:ARG:HD2	13	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	17	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	17	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	17	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	20	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	20	0.18
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	20	0.18
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	4	0.18
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	4	0.18
(2,955)	1:121:A:GLU:HG3	1:121:A:GLU:HA	1	0.18
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	15	0.18
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG21	11	0.18
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG22	11	0.18
(2,940)	1:85:A:VAL:HG11	1:89:A:ILE:HG23	11	0.18
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG21	11	0.18
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG22	11	0.18
(2,940)	1:85:A:VAL:HG12	1:89:A:ILE:HG23	11	0.18
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG21	11	0.18
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG22	11	0.18
(2,940)	1:85:A:VAL:HG13	1:89:A:ILE:HG23	11	0.18
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	13	0.18
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	17	0.18
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	17	0.18
(2,879)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	17	0.18
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	17	0.18
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	17	0.18
(2,879)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	17	0.18
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	17	0.18
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	17	0.18
(2,879)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	17	0.18
(2,849)	1:83:A:ASP:HA	1:83:A:ASP:HB2	13	0.18
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	4	0.18
(2,799)	1:77:A:GLU:HG3	1:79:A:THR:HG1	20	0.18
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	13	0.18
(2,769)	1:76:A:LEU:HA	1:76:A:LEU:HG	18	0.18
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	9	0.18
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	9	0.18
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	9	0.18
(2,756)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	12	0.18
(2,756)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	12	0.18
(2,756)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	12	0.18
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	10	0.18
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	10	0.18
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	10	0.18
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD11	8	0.18
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD12	8	0.18
(2,708)	1:115:A:ILE:HG13	1:73:A:LEU:HD13	8	0.18
(2,678)	1:102:A:ILE:HG21	1:104:A:LYS:HG2	18	0.18
(2,678)	1:102:A:ILE:HG22	1:104:A:LYS:HG2	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:102:A:ILE:HG23	1:104:A:LYS:HG2	18	0.18
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD11	11	0.18
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD12	11	0.18
(2,660)	1:24:A:LEU:HB3	1:72:A:ILE:HD13	11	0.18
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	18	0.18
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	11	0.18
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	11	0.18
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	11	0.18
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	8	0.18
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	8	0.18
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	8	0.18
(2,560)	1:67:A:GLY:HA3	1:68:A:PRO:HD2	5	0.18
(2,536)	1:70:A:VAL:HG21	1:66:A:LEU:HB3	5	0.18
(2,536)	1:70:A:VAL:HG22	1:66:A:LEU:HB3	5	0.18
(2,536)	1:70:A:VAL:HG23	1:66:A:LEU:HB3	5	0.18
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	20	0.18
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	11	0.18
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	11	0.18
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	11	0.18
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	11	0.18
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	11	0.18
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	11	0.18
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	11	0.18
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	11	0.18
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	11	0.18
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	4	0.18
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	11	0.18
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	12	0.18
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	7	0.18
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	17	0.18
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	5	0.18
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	5	0.18
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	5	0.18
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	5	0.18
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	5	0.18
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	5	0.18
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	5	0.18
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	5	0.18
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	5	0.18
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	9	0.18
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	9	0.18
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	13	0.18
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	1	0.18
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	1	0.18
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	1	0.18
(2,434)	1:56:A:ASP:HA	1:59:A:ILE:HB	7	0.18
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	12	0.18
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	18	0.18
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	7	0.18
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	7	0.18
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	7	0.18
(2,391)	1:50:A:LEU:HD21	1:51:A:THR:H	12	0.18
(2,391)	1:50:A:LEU:HD22	1:51:A:THR:H	12	0.18
(2,391)	1:50:A:LEU:HD23	1:51:A:THR:H	12	0.18
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	4	0.18
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	4	0.18
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	4	0.18
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	6	0.18
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	6	0.18
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	6	0.18
(2,322)	1:47:A:LEU:HD21	1:47:A:LEU:HB2	13	0.18
(2,322)	1:47:A:LEU:HD22	1:47:A:LEU:HB2	13	0.18
(2,322)	1:47:A:LEU:HD23	1:47:A:LEU:HB2	13	0.18
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	5	0.18
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	18	0.18
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	2	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	2	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	3	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	8	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	10	0.18
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	15	0.18
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	7	0.18
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	9	0.18
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	19	0.18
(2,244)	1:39:A:ARG:HA	1:39:A:ARG:HG3	8	0.18
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	17	0.18
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	8	0.18
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	9	0.18
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	17	0.18
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	20	0.18
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	17	0.18
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	17	0.18
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	3	0.18
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	3	0.18
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	3	0.18
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	15	0.18
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	14	0.18
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	1	0.18
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	9	0.18
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	10	0.18
(2,137)	1:30:A:ASN:HA	1:30:A:ASN:HB2	20	0.18
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	5	0.18
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	5	0.18
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	5	0.18
(2,96)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	20	0.18
(2,96)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	20	0.18
(2,96)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	20	0.18
(2,62)	1:25:A:VAL:HG11	1:73:A:LEU:HB2	11	0.18
(2,62)	1:25:A:VAL:HG12	1:73:A:LEU:HB2	11	0.18
(2,62)	1:25:A:VAL:HG13	1:73:A:LEU:HB2	11	0.18
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	11	0.18
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	11	0.18
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	11	0.18
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	13	0.18
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	13	0.18
(2,25)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	13	0.18
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD11	2	0.18
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD12	2	0.18
(2,17)	1:23:A:LEU:HA	1:23:A:LEU:HD13	2	0.18
(2,15)	1:23:A:LEU:HD11	1:71:A:LYS:HB3	15	0.18
(2,15)	1:23:A:LEU:HD12	1:71:A:LYS:HB3	15	0.18
(2,15)	1:23:A:LEU:HD13	1:71:A:LYS:HB3	15	0.18
(1,2096)	1:84:A:LYS:H	1:84:A:LYS:HG2	14	0.18
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	4	0.18
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	4	0.18
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	4	0.18
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	7	0.18
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	7	0.18
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	7	0.18
(1,1393)	1:42:A:ALA:H	1:40:A:LYS:HB3	3	0.18
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD11	4	0.18
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD12	4	0.18
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD13	4	0.18
(1,1101)	1:55:A:ASP:H	1:55:A:ASP:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:117:A:GLU:H	1:116:A:LYS:HB3	17	0.18
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	17	0.18
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	18	0.18
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	20	0.18
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	8	0.18
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	11	0.18
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB1	6	0.18
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB2	6	0.18
(1,841)	1:49:A:LEU:HD21	1:111:A:ALA:HB3	6	0.18
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB1	6	0.18
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB2	6	0.18
(1,841)	1:49:A:LEU:HD22	1:111:A:ALA:HB3	6	0.18
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB1	6	0.18
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB2	6	0.18
(1,841)	1:49:A:LEU:HD23	1:111:A:ALA:HB3	6	0.18
(1,808)	1:110:A:GLU:H	1:109:A:ASP:HB2	13	0.18
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	10	0.18
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	17	0.18
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	9	0.18
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	9	0.18
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	9	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	5	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	5	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	5	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	10	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	10	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	10	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	15	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	15	0.18
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	15	0.18
(1,723)	1:103:A:ARG:HA	1:103:A:ARG:HB2	13	0.18
(1,688)	1:74:A:VAL:HG11	1:90:A:GLU:HA	6	0.18
(1,688)	1:74:A:VAL:HG12	1:90:A:GLU:HA	6	0.18
(1,688)	1:74:A:VAL:HG13	1:90:A:GLU:HA	6	0.18
(1,669)	1:98:A:LEU:HD11	1:99:A:PRO:HD3	15	0.18
(1,669)	1:98:A:LEU:HD12	1:99:A:PRO:HD3	15	0.18
(1,669)	1:98:A:LEU:HD13	1:99:A:PRO:HD3	15	0.18
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	8	0.18
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	8	0.18
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	8	0.18
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	3	0.18
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	3	0.18
(1,553)	1:85:A:VAL:HA	1:88:A:GLU:HG3	16	0.18
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	14	0.18
(1,458)	1:75:A:LEU:HB2	1:75:A:LEU:HA	16	0.18
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	4	0.18
(1,384)	1:70:A:VAL:HA	1:70:A:VAL:HB	13	0.18
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	14	0.18
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD11	15	0.18
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD12	15	0.18
(1,335)	1:63:A:LEU:HA	1:63:A:LEU:HD13	15	0.18
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	7	0.18
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	16	0.18
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	8	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	11	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	11	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	11	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	15	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	15	0.18
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	15	0.18
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	14	0.18
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	14	0.18
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	14	0.18
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD21	17	0.18
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD22	17	0.18
(1,226)	1:50:A:LEU:HB2	1:50:A:LEU:HD23	17	0.18
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB1	14	0.18
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB2	14	0.18
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB3	14	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB1	14	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB2	14	0.18
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB3	14	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB1	14	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB2	14	0.18
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB3	14	0.18
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	4	0.18
(1,166)	1:41:A:MET:HB2	1:41:A:MET:HG3	17	0.18
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	3	0.18
(1,149)	1:49:A:LEU:HD11	1:39:A:ARG:HA	18	0.18
(1,149)	1:49:A:LEU:HD12	1:39:A:ARG:HA	18	0.18
(1,149)	1:49:A:LEU:HD13	1:39:A:ARG:HA	18	0.18
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	4	0.18
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:34:A:LEU:HD11	1:108:A:PRO:HA	11	0.18
(1,111)	1:34:A:LEU:HD12	1:108:A:PRO:HA	11	0.18
(1,111)	1:34:A:LEU:HD13	1:108:A:PRO:HA	11	0.18
(1,69)	1:28:A:TRP:HB3	1:28:A:TRP:HA	13	0.18
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD11	17	0.18
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD12	17	0.18
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD13	17	0.18
(2,2811)	1:117:A:GLU:HB3	1:118:A:PHE:H	16	0.17
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	16	0.17
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	20	0.17
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	9	0.17
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	20	0.17
(2,2800)	1:117:A:GLU:H	1:118:A:PHE:HB3	20	0.17
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	5	0.17
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	5	0.17
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	5	0.17
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	10	0.17
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	10	0.17
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	10	0.17
(2,2759)	1:113:A:ARG:HD2	1:114:A:TRP:H	10	0.17
(2,2749)	1:112:A:LYS:HB3	1:113:A:ARG:H	2	0.17
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	15	0.17
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	15	0.17
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	15	0.17
(2,2722)	1:111:A:ALA:H	1:110:A:GLU:HG2	12	0.17
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	8	0.17
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	8	0.17
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	8	0.17
(2,2701)	1:34:A:LEU:HD11	1:107:A:SER:H	17	0.17
(2,2701)	1:34:A:LEU:HD12	1:107:A:SER:H	17	0.17
(2,2701)	1:34:A:LEU:HD13	1:107:A:SER:H	17	0.17
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	10	0.17
(2,2680)	1:111:A:ALA:HB1	1:105:A:VAL:H	18	0.17
(2,2680)	1:111:A:ALA:HB2	1:105:A:VAL:H	18	0.17
(2,2680)	1:111:A:ALA:HB3	1:105:A:VAL:H	18	0.17
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	15	0.17
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	19	0.17
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	11	0.17
(2,2659)	1:76:A:LEU:H	1:103:A:ARG:H	16	0.17
(2,2656)	1:101:A:ARG:HG2	1:102:A:ILE:H	10	0.17
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	5	0.17
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2616)	1:94:A:ARG:H	1:93:A:ALA:HB1	13	0.17
(2,2616)	1:94:A:ARG:H	1:93:A:ALA:HB2	13	0.17
(2,2616)	1:94:A:ARG:H	1:93:A:ALA:HB3	13	0.17
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	13	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	6	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	6	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	6	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	13	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	13	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	13	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	20	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	20	0.17
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	20	0.17
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	14	0.17
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	14	0.17
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	14	0.17
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	17	0.17
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	17	0.17
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	17	0.17
(2,2561)	1:87:A:LYS:H	1:83:A:ASP:HA	6	0.17
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	1	0.17
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	3	0.17
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	19	0.17
(2,2524)	1:76:A:LEU:HD21	1:82:A:ALA:H	3	0.17
(2,2524)	1:76:A:LEU:HD22	1:82:A:ALA:H	3	0.17
(2,2524)	1:76:A:LEU:HD23	1:82:A:ALA:H	3	0.17
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	2	0.17
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	18	0.17
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	11	0.17
(2,2473)	1:105:A:VAL:HA	1:114:A:TRP:HE1	17	0.17
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	7	0.17
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	7	0.17
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	7	0.17
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB1	6	0.17
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB2	6	0.17
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB3	6	0.17
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	5	0.17
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	3	0.17
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	5	0.17
(2,2432)	1:72:A:ILE:HG21	1:74:A:VAL:H	12	0.17
(2,2432)	1:72:A:ILE:HG22	1:74:A:VAL:H	12	0.17
(2,2432)	1:72:A:ILE:HG23	1:74:A:VAL:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	1	0.17
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	4	0.17
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	7	0.17
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	19	0.17
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	13	0.17
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	13	0.17
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	8	0.17
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	8	0.17
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	8	0.17
(2,2395)	1:22:A:GLY:HA2	1:70:A:VAL:H	4	0.17
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	1	0.17
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	1	0.17
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	1	0.17
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	5	0.17
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	7	0.17
(2,2371)	1:59:A:ILE:HA	1:62:A:ILE:H	14	0.17
(2,2363)	1:60:A:GLU:HG2	1:61:A:ASP:H	3	0.17
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	3	0.17
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	12	0.17
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	3	0.17
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	13	0.17
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	7	0.17
(2,2299)	1:43:A:GLU:HG3	1:44:A:LYS:H	15	0.17
(2,2281)	1:42:A:ALA:H	1:112:A:LYS:HA	16	0.17
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG21	7	0.17
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG22	7	0.17
(2,2275)	1:41:A:MET:H	1:115:A:ILE:HG23	7	0.17
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	6	0.17
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	7	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	4	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	4	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	4	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	10	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	10	0.17
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	10	0.17
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	13	0.17
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	1	0.17
(2,2195)	1:33:A:LYS:HG3	1:34:A:LEU:H	18	0.17
(2,2193)	1:35:A:ILE:HD11	1:33:A:LYS:H	14	0.17
(2,2193)	1:35:A:ILE:HD12	1:33:A:LYS:H	14	0.17
(2,2193)	1:35:A:ILE:HD13	1:33:A:LYS:H	14	0.17
(2,2185)	1:34:A:LEU:HB3	1:31:A:ASP:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2181)	1:29:A:SER:HB2	1:31:A:ASP:H	16	0.17
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	2	0.17
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	5	0.17
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	10	0.17
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	20	0.17
(2,2160)	1:51:A:THR:HG1	1:29:A:SER:H	16	0.17
(2,2147)	1:26:A:LEU:HB2	1:27:A:ILE:H	11	0.17
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	1	0.17
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	7	0.17
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	14	0.17
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	11	0.17
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	3	0.17
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	6	0.17
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	19	0.17
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	7	0.17
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	16	0.17
(2,2102)	1:92:A:LYS:H	1:92:A:LYS:HG3	7	0.17
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	20	0.17
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	20	0.17
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	13	0.17
(2,2063)	1:88:A:GLU:HG3	1:88:A:GLU:H	20	0.17
(2,2059)	1:37:A:GLU:HB2	1:37:A:GLU:H	10	0.17
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	20	0.17
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	7	0.17
(2,2054)	1:121:A:GLU:HG2	1:121:A:GLU:H	13	0.17
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	6	0.17
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	19	0.17
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	10	0.17
(2,2000)	1:76:A:LEU:HD21	1:76:A:LEU:H	18	0.17
(2,2000)	1:76:A:LEU:HD22	1:76:A:LEU:H	18	0.17
(2,2000)	1:76:A:LEU:HD23	1:76:A:LEU:H	18	0.17
(2,1987)	1:50:A:LEU:H	1:50:A:LEU:HB2	13	0.17
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	9	0.17
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	11	0.17
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	10	0.17
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	5	0.17
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	16	0.17
(2,1867)	1:101:A:ARG:H	1:101:A:ARG:HG3	8	0.17
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	2	0.17
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	17	0.17
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	17	0.17
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	7	0.17
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	2	0.17
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	8	0.17
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	4	0.17
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	1	0.17
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	4	0.17
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	4	0.17
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	4	0.17
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	6	0.17
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	6	0.17
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	6	0.17
(2,1766)	1:47:A:LEU:HB2	1:47:A:LEU:H	9	0.17
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	2	0.17
(2,1721)	1:24:A:LEU:HD21	1:24:A:LEU:H	15	0.17
(2,1721)	1:24:A:LEU:HD22	1:24:A:LEU:H	15	0.17
(2,1721)	1:24:A:LEU:HD23	1:24:A:LEU:H	15	0.17
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	3	0.17
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	4	0.17
(2,1701)	1:33:A:LYS:H	1:34:A:LEU:H	5	0.17
(2,1689)	1:84:A:LYS:H	1:85:A:VAL:H	13	0.17
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	1	0.17
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	4	0.17
(2,1616)	1:82:A:ALA:H	1:83:A:ASP:H	7	0.17
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	5	0.17
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	10	0.17
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	3	0.17
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	3	0.17
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	3	0.17
(2,1468)	1:50:A:LEU:HA	1:59:A:ILE:HG12	10	0.17
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	13	0.17
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	13	0.17
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	13	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	1	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	1	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	1	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	6	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	6	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	6	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	10	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	10	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	10	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	19	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	19	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	20	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	20	0.17
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	20	0.17
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	16	0.17
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	18	0.17
(2,1431)	1:47:A:LEU:HD11	1:119:A:SER:HA	2	0.17
(2,1431)	1:47:A:LEU:HD12	1:119:A:SER:HA	2	0.17
(2,1431)	1:47:A:LEU:HD13	1:119:A:SER:HA	2	0.17
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	4	0.17
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	3	0.17
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	6	0.17
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	18	0.17
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	11	0.17
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	8	0.17
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	20	0.17
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	20	0.17
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	20	0.17
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	1	0.17
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	1	0.17
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	1	0.17
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	12	0.17
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	12	0.17
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	12	0.17
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	20	0.17
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	20	0.17
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	20	0.17
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	6	0.17
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	6	0.17
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	6	0.17
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	6	0.17
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	6	0.17
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	6	0.17
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	6	0.17
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	6	0.17
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	6	0.17
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	12	0.17
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	11	0.17
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	2	0.17
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	11	0.17
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	16	0.17
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	18	0.17
(2,1246)	1:34:A:LEU:HD11	1:108:A:PRO:HA	12	0.17
(2,1246)	1:34:A:LEU:HD12	1:108:A:PRO:HA	12	0.17
(2,1246)	1:34:A:LEU:HD13	1:108:A:PRO:HA	12	0.17
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	7	0.17
(2,1234)	1:107:A:SER:HB3	1:108:A:PRO:HB3	17	0.17
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	11	0.17
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	11	0.17
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	11	0.17
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	16	0.17
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	16	0.17
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	16	0.17
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	8	0.17
(2,1204)	1:105:A:VAL:HG21	1:104:A:LYS:HA	17	0.17
(2,1204)	1:105:A:VAL:HG22	1:104:A:LYS:HA	17	0.17
(2,1204)	1:105:A:VAL:HG23	1:104:A:LYS:HA	17	0.17
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	5	0.17
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	8	0.17
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	17	0.17
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	8	0.17
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	13	0.17
(2,1159)	1:104:A:LYS:HA	1:78:A:ASP:HB2	1	0.17
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	10	0.17
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	8	0.17
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	4	0.17
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	4	0.17
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	4	0.17
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	5	0.17
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	5	0.17
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	5	0.17
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	3	0.17
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	10	0.17
(2,1037)	1:99:A:PRO:HD3	1:98:A:LEU:HB3	2	0.17
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	3	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	3	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	3	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	3	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	14	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	14	0.17
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	14	0.17
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	14	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	1	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	1	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	1	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	2	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	2	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	2	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	3	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	3	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	3	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	4	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	4	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	4	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	5	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	5	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	5	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	6	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	6	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	6	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	7	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	7	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	7	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	9	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	9	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	9	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	10	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	10	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	10	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	11	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	11	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	11	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	12	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	12	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	12	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	14	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	14	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	14	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	15	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	15	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	15	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	16	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	16	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	17	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	17	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	17	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	18	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	18	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	18	0.17
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	19	0.17
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	19	0.17
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	19	0.17
(2,890)	1:102:A:ILE:HG21	1:86:A:LYS:HA	2	0.17
(2,890)	1:102:A:ILE:HG22	1:86:A:LYS:HA	2	0.17
(2,890)	1:102:A:ILE:HG23	1:86:A:LYS:HA	2	0.17
(2,839)	1:76:A:LEU:HD21	1:83:A:ASP:HA	16	0.17
(2,839)	1:76:A:LEU:HD22	1:83:A:ASP:HA	16	0.17
(2,839)	1:76:A:LEU:HD23	1:83:A:ASP:HA	16	0.17
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	19	0.17
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	20	0.17
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	2	0.17
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	17	0.17
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	3	0.17
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	2	0.17
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	2	0.17
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	2	0.17
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	13	0.17
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	13	0.17
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	13	0.17
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	20	0.17
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	20	0.17
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	20	0.17
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	8	0.17
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	8	0.17
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	8	0.17
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	19	0.17
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	19	0.17
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	19	0.17
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD21	11	0.17
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD22	11	0.17
(2,698)	1:75:A:LEU:HG	1:73:A:LEU:HD23	11	0.17
(2,667)	1:72:A:ILE:HG21	1:73:A:LEU:H	12	0.17
(2,667)	1:72:A:ILE:HG22	1:73:A:LEU:H	12	0.17
(2,667)	1:72:A:ILE:HG23	1:73:A:LEU:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	8	0.17
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	8	0.17
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	8	0.17
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	9	0.17
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	9	0.17
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	9	0.17
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	16	0.17
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	16	0.17
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	16	0.17
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	6	0.17
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	14	0.17
(2,586)	1:69:A:PRO:HB3	1:69:A:PRO:HD2	14	0.17
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	20	0.17
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	20	0.17
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	20	0.17
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	1	0.17
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	11	0.17
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	12	0.17
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	13	0.17
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	6	0.17
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	6	0.17
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	6	0.17
(2,513)	1:63:A:LEU:HD21	1:98:A:LEU:HB2	13	0.17
(2,513)	1:63:A:LEU:HD22	1:98:A:LEU:HB2	13	0.17
(2,513)	1:63:A:LEU:HD23	1:98:A:LEU:HB2	13	0.17
(2,498)	1:63:A:LEU:HB2	1:63:A:LEU:HA	3	0.17
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	1	0.17
(2,473)	1:62:A:ILE:HA	1:61:A:ASP:HB2	13	0.17
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	1	0.17
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	12	0.17
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	6	0.17
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	6	0.17
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	6	0.17
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	6	0.17
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	6	0.17
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	6	0.17
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	6	0.17
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	6	0.17
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	6	0.17
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	11	0.17
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	11	0.17
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	4	0.17
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	4	0.17
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	4	0.17
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	12	0.17
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	12	0.17
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	12	0.17
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	6	0.17
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	10	0.17
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	13	0.17
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	13	0.17
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	13	0.17
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	2	0.17
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	2	0.17
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	2	0.17
(2,381)	1:120:A:GLU:HA	1:120:A:GLU:HG2	18	0.17
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	10	0.17
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB1	4	0.17
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB2	4	0.17
(2,310)	1:42:A:ALA:HA	1:45:A:ALA:HB3	4	0.17
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	5	0.17
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	7	0.17
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	9	0.17
(2,298)	1:43:A:GLU:HB2	1:43:A:GLU:HA	4	0.17
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	2	0.17
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	2	0.17
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	2	0.17
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	8	0.17
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	11	0.17
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	13	0.17
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	14	0.17
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	18	0.17
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	19	0.17
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	5	0.17
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	3	0.17
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	10	0.17
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	10	0.17
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	10	0.17
(2,236)	1:27:A:ILE:HD11	1:38:A:ALA:HA	11	0.17
(2,236)	1:27:A:ILE:HD12	1:38:A:ALA:HA	11	0.17
(2,236)	1:27:A:ILE:HD13	1:38:A:ALA:HA	11	0.17
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	3	0.17
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD11	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD12	4	0.17
(2,214)	1:32:A:LYS:HE2	1:35:A:ILE:HD13	4	0.17
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	1	0.17
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	7	0.17
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB1	3	0.17
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB2	3	0.17
(2,200)	1:35:A:ILE:HA	1:38:A:ALA:HB3	3	0.17
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	17	0.17
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	17	0.17
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	17	0.17
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	17	0.17
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	17	0.17
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	17	0.17
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	17	0.17
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	17	0.17
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	17	0.17
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	16	0.17
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD11	20	0.17
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD12	20	0.17
(2,94)	1:28:A:TRP:HB2	1:76:A:LEU:HD13	20	0.17
(2,69)	1:25:A:VAL:HG21	1:47:A:LEU:HB2	3	0.17
(2,69)	1:25:A:VAL:HG22	1:47:A:LEU:HB2	3	0.17
(2,69)	1:25:A:VAL:HG23	1:47:A:LEU:HB2	3	0.17
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	5	0.17
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	5	0.17
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	5	0.17
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	5	0.17
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	5	0.17
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	5	0.17
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	5	0.17
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	5	0.17
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	5	0.17
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	13	0.17
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	13	0.17
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	13	0.17
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	6	0.17
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	6	0.17
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	6	0.17
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	6	0.17
(1,1937)	1:58:A:LYS:H	1:58:A:LYS:HG2	4	0.17
(1,1724)	1:46:A:ASN:H	1:47:A:LEU:HG	3	0.17
(1,1687)	1:71:A:LYS:H	1:72:A:ILE:HG13	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:121:A:GLU:H	1:121:A:GLU:HG3	11	0.17
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	6	0.17
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD11	5	0.17
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD12	5	0.17
(1,1347)	1:118:A:PHE:H	1:73:A:LEU:HD13	5	0.17
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	9	0.17
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD11	3	0.17
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD12	3	0.17
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD13	3	0.17
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD11	3	0.17
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD12	3	0.17
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD13	3	0.17
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD11	3	0.17
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD12	3	0.17
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD13	3	0.17
(1,892)	1:115:A:ILE:HB	1:41:A:MET:HG3	11	0.17
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	10	0.17
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	10	0.17
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	10	0.17
(1,606)	1:91:A:LYS:HA	1:94:A:ARG:HD2	17	0.17
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD11	6	0.17
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD12	6	0.17
(1,593)	1:85:A:VAL:HG21	1:89:A:ILE:HD13	6	0.17
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD11	6	0.17
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD12	6	0.17
(1,593)	1:85:A:VAL:HG22	1:89:A:ILE:HD13	6	0.17
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD11	6	0.17
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD12	6	0.17
(1,593)	1:85:A:VAL:HG23	1:89:A:ILE:HD13	6	0.17
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	1	0.17
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	10	0.17
(1,495)	1:34:A:LEU:HD11	1:77:A:GLU:HA	13	0.17
(1,495)	1:34:A:LEU:HD12	1:77:A:GLU:HA	13	0.17
(1,495)	1:34:A:LEU:HD13	1:77:A:GLU:HA	13	0.17
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD11	19	0.17
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD12	19	0.17
(1,489)	1:86:A:LYS:HA	1:76:A:LEU:HD13	19	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD21	12	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD22	12	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD23	12	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD21	14	0.17
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD22	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD23	14	0.17
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD21	1	0.17
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD22	1	0.17
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD23	1	0.17
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD11	14	0.17
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD12	14	0.17
(1,426)	1:73:A:LEU:HB2	1:73:A:LEU:HD13	14	0.17
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	2	0.17
(1,398)	1:71:A:LYS:HB2	1:71:A:LYS:HD2	18	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	2	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	3	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	7	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	16	0.17
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	20	0.17
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	12	0.17
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	1	0.17
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	7	0.17
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	17	0.17
(1,289)	1:91:A:LYS:H	1:90:A:GLU:HB3	16	0.17
(1,260)	1:54:A:THR:H	1:54:A:THR:HB	20	0.17
(1,114)	1:34:A:LEU:HB2	1:34:A:LEU:HG	18	0.17
(1,106)	1:34:A:LEU:HB2	1:34:A:LEU:HG	16	0.17
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	16	0.17
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	16	0.17
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	16	0.17
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD11	14	0.17
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD12	14	0.17
(1,23)	1:24:A:LEU:HB3	1:66:A:LEU:HD13	14	0.17
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	2	0.17
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	19	0.17
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	5	0.16
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	5	0.16
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	5	0.16
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	19	0.16
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	8	0.16
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	8	0.16
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	8	0.16
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	8	0.16
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	1	0.16
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	16	0.16
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	16	0.16
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2709)	1:113:A:ARG:HB2	1:110:A:GLU:H	17	0.16
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	6	0.16
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	11	0.16
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	16	0.16
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	5	0.16
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	3	0.16
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	17	0.16
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	19	0.16
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	1	0.16
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	9	0.16
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	18	0.16
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	20	0.16
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	11	0.16
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	11	0.16
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	11	0.16
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	17	0.16
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	17	0.16
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	17	0.16
(2,2649)	1:100:A:VAL:HG11	1:101:A:ARG:H	20	0.16
(2,2649)	1:100:A:VAL:HG12	1:101:A:ARG:H	20	0.16
(2,2649)	1:100:A:VAL:HG13	1:101:A:ARG:H	20	0.16
(2,2636)	1:94:A:ARG:HA	1:98:A:LEU:H	13	0.16
(2,2615)	1:94:A:ARG:H	1:96:A:LYS:HB2	15	0.16
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	11	0.16
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	11	0.16
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	11	0.16
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	13	0.16
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	10	0.16
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	1	0.16
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	1	0.16
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	1	0.16
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	2	0.16
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	2	0.16
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	2	0.16
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	1	0.16
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	1	0.16
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	1	0.16
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	18	0.16
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	16	0.16
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	20	0.16
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	4	0.16
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	2	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	3	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	4	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	6	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	8	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	10	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	14	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	16	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	19	0.16
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	20	0.16
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	8	0.16
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	8	0.16
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	8	0.16
(2,2432)	1:72:A:ILE:HG21	1:74:A:VAL:H	6	0.16
(2,2432)	1:72:A:ILE:HG22	1:74:A:VAL:H	6	0.16
(2,2432)	1:72:A:ILE:HG23	1:74:A:VAL:H	6	0.16
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	11	0.16
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	15	0.16
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	13	0.16
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	8	0.16
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	8	0.16
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	8	0.16
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	13	0.16
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	15	0.16
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	5	0.16
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	19	0.16
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	19	0.16
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	19	0.16
(2,2335)	1:50:A:LEU:H	1:27:A:ILE:H	10	0.16
(2,2333)	1:25:A:VAL:HG11	1:49:A:LEU:H	5	0.16
(2,2333)	1:25:A:VAL:HG12	1:49:A:LEU:H	5	0.16
(2,2333)	1:25:A:VAL:HG13	1:49:A:LEU:H	5	0.16
(2,2324)	1:115:A:ILE:HG21	1:47:A:LEU:H	3	0.16
(2,2324)	1:115:A:ILE:HG22	1:47:A:LEU:H	3	0.16
(2,2324)	1:115:A:ILE:HG23	1:47:A:LEU:H	3	0.16
(2,2308)	1:44:A:LYS:HB2	1:45:A:ALA:H	4	0.16
(2,2307)	1:43:A:GLU:HB2	1:45:A:ALA:H	6	0.16
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	16	0.16
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	19	0.16
(2,2281)	1:42:A:ALA:H	1:112:A:LYS:HA	13	0.16
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	5	0.16
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	12	0.16
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	12	0.16
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	5	0.16
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	5	0.16
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	5	0.16
(2,2254)	1:111:A:ALA:HB1	1:39:A:ARG:H	14	0.16
(2,2254)	1:111:A:ALA:HB2	1:39:A:ARG:H	14	0.16
(2,2254)	1:111:A:ALA:HB3	1:39:A:ARG:H	14	0.16
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	2	0.16
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	11	0.16
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	2	0.16
(2,2201)	1:31:A:ASP:HB3	1:34:A:LEU:H	6	0.16
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	10	0.16
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	14	0.16
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	16	0.16
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	18	0.16
(2,2163)	1:30:A:ASN:HB3	1:29:A:SER:H	4	0.16
(2,2156)	1:27:A:ILE:HG12	1:28:A:TRP:H	14	0.16
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	4	0.16
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	17	0.16
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	11	0.16
(2,2120)	1:48:A:TYR:HB2	1:23:A:LEU:H	12	0.16
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	4	0.16
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	1	0.16
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	7	0.16
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	4	0.16
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	14	0.16
(2,2037)	1:84:A:LYS:H	1:84:A:LYS:HE2	4	0.16
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	18	0.16
(2,1979)	1:41:A:MET:HB2	1:41:A:MET:H	12	0.16
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	3	0.16
(2,1967)	1:116:A:LYS:H	1:116:A:LYS:HE2	19	0.16
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	6	0.16
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	13	0.16
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	16	0.16
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	17	0.16
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	7	0.16
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	1	0.16
(2,1930)	1:44:A:LYS:H	1:44:A:LYS:HG2	7	0.16
(2,1916)	1:43:A:GLU:HB3	1:43:A:GLU:H	6	0.16
(2,1916)	1:43:A:GLU:HB3	1:43:A:GLU:H	15	0.16
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	13	0.16
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	16	0.16
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	14	0.16
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	6	0.16
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	6	0.16
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	6	0.16
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	10	0.16
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	6	0.16
(2,1879)	1:103:A:ARG:H	1:103:A:ARG:HG2	19	0.16
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	15	0.16
(2,1848)	1:89:A:ILE:HG12	1:89:A:ILE:H	14	0.16
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	9	0.16
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	9	0.16
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	9	0.16
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	16	0.16
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	20	0.16
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	15	0.16
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	15	0.16
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	15	0.16
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	13	0.16
(2,1721)	1:24:A:LEU:HD21	1:24:A:LEU:H	17	0.16
(2,1721)	1:24:A:LEU:HD22	1:24:A:LEU:H	17	0.16
(2,1721)	1:24:A:LEU:HD23	1:24:A:LEU:H	17	0.16
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	20	0.16
(2,1652)	1:115:A:ILE:H	1:114:A:TRP:H	17	0.16
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	16	0.16
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	7	0.16
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	5	0.16
(2,1646)	1:84:A:LYS:H	1:83:A:ASP:H	14	0.16
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	6	0.16
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	4	0.16
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	10	0.16
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	16	0.16
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	10	0.16
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	16	0.16
(2,1615)	1:82:A:ALA:H	1:83:A:ASP:H	7	0.16
(2,1609)	1:96:A:LYS:H	1:95:A:LYS:H	1	0.16
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	5	0.16
(2,1543)	1:58:A:LYS:HA	1:58:A:LYS:HG3	18	0.16
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	11	0.16
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	3	0.16
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	17	0.16
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	17	0.16
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	17	0.16
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	9	0.16
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	9	0.16
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	9	0.16
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	3	0.16
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	3	0.16
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	3	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	2	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	2	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	2	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	8	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	8	0.16
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	8	0.16
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	6	0.16
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	15	0.16
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	15	0.16
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	15	0.16
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	3	0.16
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	8	0.16
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	12	0.16
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	19	0.16
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	20	0.16
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	19	0.16
(2,1397)	1:40:A:LYS:HA	1:43:A:GLU:HG3	1	0.16
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	19	0.16
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	2	0.16
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	16	0.16
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	2	0.16
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	2	0.16
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	2	0.16
(2,1366)	1:115:A:ILE:HA	1:73:A:LEU:HG	19	0.16
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	4	0.16
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	8	0.16
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	13	0.16
(2,1363)	1:118:A:PHE:HB3	1:115:A:ILE:HA	7	0.16
(2,1358)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	16	0.16
(2,1358)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	16	0.16
(2,1358)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	16	0.16
(2,1357)	1:114:A:TRP:HB3	1:103:A:ARG:HG3	1	0.16
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	12	0.16
(2,1286)	1:110:A:GLU:HB2	1:107:A:SER:H	2	0.16
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	4	0.16
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	8	0.16
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	2	0.16
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	20	0.16
(2,1267)	1:112:A:LYS:HB3	1:109:A:ASP:HB2	20	0.16
(2,1265)	1:34:A:LEU:HG	1:108:A:PRO:HG2	17	0.16
(2,1245)	1:111:A:ALA:HB1	1:108:A:PRO:HA	17	0.16
(2,1245)	1:111:A:ALA:HB2	1:108:A:PRO:HA	17	0.16
(2,1245)	1:111:A:ALA:HB3	1:108:A:PRO:HA	17	0.16
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	19	0.16
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	19	0.16
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	19	0.16
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	3	0.16
(2,1217)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	11	0.16
(2,1217)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	11	0.16
(2,1217)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	11	0.16
(2,1211)	1:111:A:ALA:HB1	1:105:A:VAL:HG11	8	0.16
(2,1211)	1:111:A:ALA:HB1	1:105:A:VAL:HG12	8	0.16
(2,1211)	1:111:A:ALA:HB1	1:105:A:VAL:HG13	8	0.16
(2,1211)	1:111:A:ALA:HB2	1:105:A:VAL:HG11	8	0.16
(2,1211)	1:111:A:ALA:HB2	1:105:A:VAL:HG12	8	0.16
(2,1211)	1:111:A:ALA:HB2	1:105:A:VAL:HG13	8	0.16
(2,1211)	1:111:A:ALA:HB3	1:105:A:VAL:HG11	8	0.16
(2,1211)	1:111:A:ALA:HB3	1:105:A:VAL:HG12	8	0.16
(2,1211)	1:111:A:ALA:HB3	1:105:A:VAL:HG13	8	0.16
(2,1210)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	11	0.16
(2,1210)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	11	0.16
(2,1210)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	11	0.16
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	11	0.16
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	11	0.16
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	11	0.16
(2,1206)	1:105:A:VAL:HG21	1:76:A:LEU:H	18	0.16
(2,1206)	1:105:A:VAL:HG22	1:76:A:LEU:H	18	0.16
(2,1206)	1:105:A:VAL:HG23	1:76:A:LEU:H	18	0.16
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	11	0.16
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	18	0.16
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	10	0.16
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	10	0.16
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	10	0.16
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	4	0.16
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	4	0.16
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	4	0.16
(2,1094)	1:101:A:ARG:HD2	1:101:A:ARG:HB3	17	0.16
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG11	9	0.16
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG12	9	0.16
(2,1070)	1:76:A:LEU:HB2	1:74:A:VAL:HG13	9	0.16
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	1	0.16
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	16	0.16
(2,996)	1:98:A:LEU:HB2	1:93:A:ALA:HA	11	0.16
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	3	0.16
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	7	0.16
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	11	0.16
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	18	0.16
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	15	0.16
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	15	0.16
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	15	0.16
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	3	0.16
(2,957)	1:92:A:LYS:HA	1:92:A:LYS:HB2	20	0.16
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	8	0.16
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	8	0.16
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	8	0.16
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	8	0.16
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	13	0.16
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	13	0.16
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	13	0.16
(2,926)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	0.16
(2,926)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	0.16
(2,926)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	1	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	2	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	3	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	4	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	5	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	7	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	8	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	9	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	10	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	11	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	12	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	14	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	18	0.16
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	19	0.16
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	1	0.16
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	4	0.16
(2,904)	1:104:A:LYS:HG3	1:86:A:LYS:HB3	6	0.16
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	14	0.16
(2,829)	1:76:A:LEU:HD21	1:82:A:ALA:HA	9	0.16
(2,829)	1:76:A:LEU:HD22	1:82:A:ALA:HA	9	0.16
(2,829)	1:76:A:LEU:HD23	1:82:A:ALA:HA	9	0.16
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	11	0.16
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	4	0.16
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	9	0.16
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	10	0.16
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	14	0.16
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	5	0.16
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	5	0.16
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	5	0.16
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	14	0.16
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	14	0.16
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	14	0.16
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG11	14	0.16
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG12	14	0.16
(2,713)	1:74:A:VAL:HA	1:74:A:VAL:HG13	14	0.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD11	10	0.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD12	10	0.16
(2,710)	1:75:A:LEU:HD21	1:73:A:LEU:HD13	10	0.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD11	10	0.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD12	10	0.16
(2,710)	1:75:A:LEU:HD22	1:73:A:LEU:HD13	10	0.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD11	10	0.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD12	10	0.16
(2,710)	1:75:A:LEU:HD23	1:73:A:LEU:HD13	10	0.16
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	18	0.16
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	18	0.16
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	18	0.16
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	12	0.16
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	12	0.16
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	12	0.16
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	8	0.16
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	8	0.16
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	8	0.16
(2,630)	1:71:A:LYS:HB3	1:72:A:ILE:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	4	0.16
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	4	0.16
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	4	0.16
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	14	0.16
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	14	0.16
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	14	0.16
(2,616)	1:70:A:VAL:HG11	1:68:A:PRO:HB2	15	0.16
(2,616)	1:70:A:VAL:HG12	1:68:A:PRO:HB2	15	0.16
(2,616)	1:70:A:VAL:HG13	1:68:A:PRO:HB2	15	0.16
(2,598)	1:22:A:GLY:HA3	1:70:A:VAL:HA	18	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	1	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	2	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	3	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	4	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	13	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	15	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	16	0.16
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	20	0.16
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	19	0.16
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	19	0.16
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	19	0.16
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	15	0.16
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	16	0.16
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	17	0.16
(2,523)	1:112:A:LYS:HB2	1:109:A:ASP:H	13	0.16
(2,521)	1:87:A:LYS:HA	1:87:A:LYS:HG2	3	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	1	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	1	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	1	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	1	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	1	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	1	0.16
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	1	0.16
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	1	0.16
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	1	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	16	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	16	0.16
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	16	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	16	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	16	0.16
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	16	0.16
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	16	0.16
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	16	0.16
(2,473)	1:62:A:ILE:HA	1:61:A:ASP:HB2	18	0.16
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	10	0.16
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	1	0.16
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	1	0.16
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	1	0.16
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	1	0.16
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	1	0.16
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	1	0.16
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	1	0.16
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	1	0.16
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	1	0.16
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG21	6	0.16
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG22	6	0.16
(2,458)	1:41:A:MET:HG2	1:115:A:ILE:HG23	6	0.16
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	2	0.16
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	1	0.16
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	18	0.16
(2,400)	1:52:A:LEU:HD21	1:52:A:LEU:HA	11	0.16
(2,400)	1:52:A:LEU:HD22	1:52:A:LEU:HA	11	0.16
(2,400)	1:52:A:LEU:HD23	1:52:A:LEU:HA	11	0.16
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	1	0.16
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	1	0.16
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	1	0.16
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	1	0.16
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	8	0.16
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	8	0.16
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	8	0.16
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	20	0.16
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	3	0.16
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	3	0.16
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	3	0.16
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	3	0.16
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	3	0.16
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	3	0.16
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	3	0.16
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	3	0.16
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	3	0.16
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	8	0.16
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	16	0.16
(2,296)	1:43:A:GLU:HA	1:43:A:GLU:HG2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB1	12	0.16
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB2	12	0.16
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB3	12	0.16
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB1	12	0.16
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB2	12	0.16
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB3	12	0.16
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB1	12	0.16
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB2	12	0.16
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB3	12	0.16
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	10	0.16
(2,268)	1:41:A:MET:HA	1:44:A:LYS:HB2	8	0.16
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	9	0.16
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	1	0.16
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	5	0.16
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	6	0.16
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	18	0.16
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	10	0.16
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	11	0.16
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	6	0.16
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	11	0.16
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	20	0.16
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	8	0.16
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	14	0.16
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	18	0.16
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	18	0.16
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	18	0.16
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	18	0.16
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	18	0.16
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	19	0.16
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	9	0.16
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	15	0.16
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	20	0.16
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	20	0.16
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	20	0.16
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD1	5	0.16
(2,66)	1:25:A:VAL:HG21	1:118:A:PHE:HD2	5	0.16
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD1	5	0.16
(2,66)	1:25:A:VAL:HG22	1:118:A:PHE:HD2	5	0.16
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD1	5	0.16
(2,66)	1:25:A:VAL:HG23	1:118:A:PHE:HD2	5	0.16
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	5	0.16
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	5	0.16
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	15	0.16
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	15	0.16
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	15	0.16
(1,1970)	1:109:A:ASP:H	1:108:A:PRO:HG2	11	0.16
(1,1867)	1:53:A:GLU:H	1:53:A:GLU:HB3	8	0.16
(1,1821)	1:83:A:ASP:H	1:84:A:LYS:HB2	1	0.16
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	12	0.16
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG11	5	0.16
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG12	5	0.16
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG13	5	0.16
(1,1716)	1:78:A:ASP:H	1:77:A:GLU:HG2	5	0.16
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	3	0.16
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	4	0.16
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	9	0.16
(1,1371)	1:87:A:LYS:H	1:87:A:LYS:HG3	1	0.16
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	10	0.16
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	10	0.16
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	10	0.16
(1,1040)	1:113:A:ARG:H	1:112:A:LYS:HE3	12	0.16
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	14	0.16
(1,932)	1:119:A:SER:H	1:119:A:SER:HB2	9	0.16
(1,932)	1:119:A:SER:H	1:119:A:SER:HB2	15	0.16
(1,871)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	2	0.16
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	11	0.16
(1,794)	1:34:A:LEU:HD11	1:108:A:PRO:HA	19	0.16
(1,794)	1:34:A:LEU:HD12	1:108:A:PRO:HA	19	0.16
(1,794)	1:34:A:LEU:HD13	1:108:A:PRO:HA	19	0.16
(1,771)	1:105:A:VAL:HG11	1:114:A:TRP:HD1	5	0.16
(1,771)	1:105:A:VAL:HG12	1:114:A:TRP:HD1	5	0.16
(1,771)	1:105:A:VAL:HG13	1:114:A:TRP:HD1	5	0.16
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	13	0.16
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	17	0.16
(1,721)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	11	0.16
(1,721)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	11	0.16
(1,721)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	11	0.16
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	9	0.16
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	10	0.16
(1,672)	1:98:A:LEU:HB3	1:99:A:PRO:HD2	16	0.16
(1,670)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	17	0.16
(1,670)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	17	0.16
(1,670)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	20	0.16
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	20	0.16
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	20	0.16
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD11	19	0.16
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD12	19	0.16
(1,575)	1:86:A:LYS:HB2	1:76:A:LEU:HD13	19	0.16
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	8	0.16
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	6	0.16
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	9	0.16
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	11	0.16
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD11	1	0.16
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD12	1	0.16
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD13	1	0.16
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	16	0.16
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	16	0.16
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	16	0.16
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	16	0.16
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	16	0.16
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	16	0.16
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	19	0.16
(1,380)	1:22:A:GLY:HA3	1:70:A:VAL:HA	4	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	1	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	4	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	5	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	6	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	9	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	10	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	12	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	13	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	15	0.16
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	18	0.16
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	13	0.16
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	13	0.16
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	13	0.16
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	10	0.16
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	12	0.16
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	3	0.16
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG21	11	0.16
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG22	11	0.16
(1,254)	1:52:A:LEU:HD11	1:85:A:VAL:HG23	11	0.16
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG21	11	0.16
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG22	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:52:A:LEU:HD12	1:85:A:VAL:HG23	11	0.16
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG21	11	0.16
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG22	11	0.16
(1,254)	1:52:A:LEU:HD13	1:85:A:VAL:HG23	11	0.16
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	5	0.16
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	20	0.16
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	20	0.16
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	20	0.16
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	3	0.16
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	3	0.16
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	3	0.16
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD21	8	0.16
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD22	8	0.16
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD23	8	0.16
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD21	8	0.16
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD22	8	0.16
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD23	8	0.16
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD21	8	0.16
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD22	8	0.16
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD23	8	0.16
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	12	0.16
(1,214)	1:26:A:LEU:HG	1:49:A:LEU:HA	14	0.16
(1,214)	1:26:A:LEU:HG	1:49:A:LEU:HA	16	0.16
(1,196)	1:45:A:ALA:HB1	1:47:A:LEU:HD11	18	0.16
(1,196)	1:45:A:ALA:HB1	1:47:A:LEU:HD12	18	0.16
(1,196)	1:45:A:ALA:HB1	1:47:A:LEU:HD13	18	0.16
(1,196)	1:45:A:ALA:HB2	1:47:A:LEU:HD11	18	0.16
(1,196)	1:45:A:ALA:HB2	1:47:A:LEU:HD12	18	0.16
(1,196)	1:45:A:ALA:HB2	1:47:A:LEU:HD13	18	0.16
(1,196)	1:45:A:ALA:HB3	1:47:A:LEU:HD11	18	0.16
(1,196)	1:45:A:ALA:HB3	1:47:A:LEU:HD12	18	0.16
(1,196)	1:45:A:ALA:HB3	1:47:A:LEU:HD13	18	0.16
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB1	13	0.16
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB2	13	0.16
(1,180)	1:100:A:VAL:HG11	1:93:A:ALA:HB3	13	0.16
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB1	13	0.16
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB2	13	0.16
(1,180)	1:100:A:VAL:HG12	1:93:A:ALA:HB3	13	0.16
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB1	13	0.16
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB2	13	0.16
(1,180)	1:100:A:VAL:HG13	1:93:A:ALA:HB3	13	0.16
(1,124)	1:35:A:ILE:HA	1:35:A:ILE:HD11	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:35:A:ILE:HA	1:35:A:ILE:HD12	5	0.16
(1,124)	1:35:A:ILE:HA	1:35:A:ILE:HD13	5	0.16
(1,106)	1:34:A:LEU:HB2	1:34:A:LEU:HG	18	0.16
(1,54)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	4	0.16
(1,54)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	4	0.16
(1,54)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	4	0.16
(1,54)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	19	0.16
(1,54)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	19	0.16
(1,54)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	19	0.16
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	14	0.16
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	12	0.16
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	17	0.16
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	17	0.16
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	17	0.16
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	17	0.16
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	17	0.16
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	17	0.16
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	17	0.16
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	17	0.16
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	17	0.16
(3,12)	1:61:A:ASP:H	1:57:A:LYS:O	14	0.15
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	7	0.15
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	19	0.15
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	19	0.15
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	19	0.15
(2,2824)	1:45:A:ALA:HB1	1:119:A:SER:H	11	0.15
(2,2824)	1:45:A:ALA:HB2	1:119:A:SER:H	11	0.15
(2,2824)	1:45:A:ALA:HB3	1:119:A:SER:H	11	0.15
(2,2822)	1:117:A:GLU:HB3	1:119:A:SER:H	15	0.15
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	15	0.15
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	9	0.15
(2,2801)	1:117:A:GLU:H	1:116:A:LYS:HB3	15	0.15
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	10	0.15
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	10	0.15
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	10	0.15
(2,2784)	1:25:A:VAL:HG21	1:115:A:ILE:H	17	0.15
(2,2784)	1:25:A:VAL:HG22	1:115:A:ILE:H	17	0.15
(2,2784)	1:25:A:VAL:HG23	1:115:A:ILE:H	17	0.15
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	18	0.15
(2,2748)	1:112:A:LYS:HE2	1:113:A:ARG:H	16	0.15
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	11	0.15
(2,2712)	1:105:A:VAL:HG11	1:110:A:GLU:H	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2712)	1:105:A:VAL:HG12	1:110:A:GLU:H	4	0.15
(2,2712)	1:105:A:VAL:HG13	1:110:A:GLU:H	4	0.15
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	9	0.15
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	4	0.15
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	9	0.15
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	14	0.15
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	2	0.15
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	8	0.15
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	18	0.15
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	2	0.15
(2,2602)	1:90:A:GLU:HA	1:93:A:ALA:H	8	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	9	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	9	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	9	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	14	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	14	0.15
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	14	0.15
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	3	0.15
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	20	0.15
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	18	0.15
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	7	0.15
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	7	0.15
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	7	0.15
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	4	0.15
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	19	0.15
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	3	0.15
(2,2495)	1:78:A:ASP:H	1:82:A:ALA:HB1	18	0.15
(2,2495)	1:78:A:ASP:H	1:82:A:ALA:HB2	18	0.15
(2,2495)	1:78:A:ASP:H	1:82:A:ALA:HB3	18	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	1	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	5	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	7	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	12	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	13	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	15	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	17	0.15
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	18	0.15
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	1	0.15
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	1	0.15
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	1	0.15
(2,2466)	1:105:A:VAL:HG11	1:114:A:TRP:HE1	3	0.15
(2,2466)	1:105:A:VAL:HG12	1:114:A:TRP:HE1	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2466)	1:105:A:VAL:HG13	1:114:A:TRP:HE1	3	0.15
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	19	0.15
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	2	0.15
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	12	0.15
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	14	0.15
(2,2429)	1:100:A:VAL:HA	1:74:A:VAL:H	6	0.15
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	6	0.15
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	7	0.15
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	9	0.15
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	9	0.15
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	9	0.15
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	9	0.15
(2,2407)	1:23:A:LEU:HD11	1:71:A:LYS:H	20	0.15
(2,2407)	1:23:A:LEU:HD12	1:71:A:LYS:H	20	0.15
(2,2407)	1:23:A:LEU:HD13	1:71:A:LYS:H	20	0.15
(2,2354)	1:52:A:LEU:HD11	1:53:A:GLU:H	16	0.15
(2,2354)	1:52:A:LEU:HD12	1:53:A:GLU:H	16	0.15
(2,2354)	1:52:A:LEU:HD13	1:53:A:GLU:H	16	0.15
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	1	0.15
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	15	0.15
(2,2294)	1:43:A:GLU:H	1:44:A:LYS:HB2	12	0.15
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	17	0.15
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	18	0.15
(2,2274)	1:40:A:LYS:HB2	1:41:A:MET:H	4	0.15
(2,2274)	1:40:A:LYS:HB2	1:41:A:MET:H	17	0.15
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	3	0.15
(2,2187)	1:35:A:ILE:HD11	1:31:A:ASP:H	13	0.15
(2,2187)	1:35:A:ILE:HD12	1:31:A:ASP:H	13	0.15
(2,2187)	1:35:A:ILE:HD13	1:31:A:ASP:H	13	0.15
(2,2185)	1:34:A:LEU:HB3	1:31:A:ASP:H	13	0.15
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	2	0.15
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	8	0.15
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	11	0.15
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	19	0.15
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	15	0.15
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	18	0.15
(2,2143)	1:50:A:LEU:H	1:27:A:ILE:H	20	0.15
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	6	0.15
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	15	0.15
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	19	0.15
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	7	0.15
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:96:A:LYS:H	1:96:A:LYS:HD2	12	0.15
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	10	0.15
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	16	0.15
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	17	0.15
(2,2075)	1:53:A:GLU:HA	1:53:A:GLU:H	13	0.15
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	17	0.15
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	2	0.15
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	5	0.15
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	12	0.15
(2,2026)	1:58:A:LYS:H	1:58:A:LYS:HB2	16	0.15
(2,2025)	1:40:A:LYS:HE2	1:40:A:LYS:H	10	0.15
(2,2016)	1:33:A:LYS:HG2	1:33:A:LYS:H	4	0.15
(2,1993)	1:61:A:ASP:H	1:61:A:ASP:HB3	3	0.15
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	19	0.15
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	13	0.15
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	13	0.15
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	13	0.15
(2,1988)	1:50:A:LEU:H	1:50:A:LEU:HG	3	0.15
(2,1963)	1:116:A:LYS:H	1:116:A:LYS:HB2	1	0.15
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	14	0.15
(2,1958)	1:112:A:LYS:HD3	1:112:A:LYS:H	20	0.15
(2,1952)	1:91:A:LYS:H	1:91:A:LYS:HE2	10	0.15
(2,1951)	1:91:A:LYS:H	1:91:A:LYS:HD2	16	0.15
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	6	0.15
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	18	0.15
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	18	0.15
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	18	0.15
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	3	0.15
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	6	0.15
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	8	0.15
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	14	0.15
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	7	0.15
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	4	0.15
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	6	0.15
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	6	0.15
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	6	0.15
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	19	0.15
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	19	0.15
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	19	0.15
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	15	0.15
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	4	0.15
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	9	0.15
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	19	0.15
(2,1836)	1:78:A:ASP:H	1:78:A:ASP:HB2	16	0.15
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	1	0.15
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	3	0.15
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	17	0.15
(2,1816)	1:71:A:LYS:H	1:71:A:LYS:HG2	19	0.15
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	9	0.15
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	16	0.15
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	16	0.15
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	16	0.15
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	19	0.15
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	19	0.15
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	19	0.15
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	10	0.15
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	13	0.15
(2,1751)	1:35:A:ILE:HB	1:35:A:ILE:H	5	0.15
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	8	0.15
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	8	0.15
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	8	0.15
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	14	0.15
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	14	0.15
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	14	0.15
(2,1747)	1:34:A:LEU:HB2	1:34:A:LEU:H	10	0.15
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	20	0.15
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	16	0.15
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	16	0.15
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	16	0.15
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	10	0.15
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	15	0.15
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	2	0.15
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	16	0.15
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	16	0.15
(2,1620)	1:94:A:ARG:H	1:93:A:ALA:H	3	0.15
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	20	0.15
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	20	0.15
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	20	0.15
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	6	0.15
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	15	0.15
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	15	0.15
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	15	0.15
(2,1516)	1:24:A:LEU:H	1:48:A:TYR:HB2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD11	4	0.15
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD12	4	0.15
(2,1503)	1:89:A:ILE:HD11	1:52:A:LEU:HD13	4	0.15
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD11	4	0.15
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD12	4	0.15
(2,1503)	1:89:A:ILE:HD12	1:52:A:LEU:HD13	4	0.15
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD11	4	0.15
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD12	4	0.15
(2,1503)	1:89:A:ILE:HD13	1:52:A:LEU:HD13	4	0.15
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	15	0.15
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	15	0.15
(2,1491)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	15	0.15
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	8	0.15
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	8	0.15
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	8	0.15
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	3	0.15
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	3	0.15
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	3	0.15
(2,1470)	1:59:A:ILE:HA	1:62:A:ILE:HB	4	0.15
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	5	0.15
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	5	0.15
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	5	0.15
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG21	12	0.15
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG22	12	0.15
(2,1457)	1:59:A:ILE:H	1:59:A:ILE:HG23	12	0.15
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	15	0.15
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	15	0.15
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	15	0.15
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	9	0.15
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	16	0.15
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	16	0.15
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	16	0.15
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	11	0.15
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	1	0.15
(2,1404)	1:117:A:GLU:HB3	1:114:A:TRP:HA	4	0.15
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	7	0.15
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	3	0.15
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	10	0.15
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	12	0.15
(2,1390)	1:116:A:LYS:H	1:116:A:LYS:HA	17	0.15
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	18	0.15
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1319)	1:41:A:MET:HB3	1:112:A:LYS:HA	7	0.15
(2,1297)	1:111:A:ALA:HA	1:114:A:TRP:H	13	0.15
(2,1294)	1:111:A:ALA:HA	1:114:A:TRP:HD1	20	0.15
(2,1288)	1:110:A:GLU:HB2	1:111:A:ALA:H	18	0.15
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	4	0.15
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	5	0.15
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	1	0.15
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	13	0.15
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	15	0.15
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	17	0.15
(2,1276)	1:113:A:ARG:HB3	1:110:A:GLU:HA	9	0.15
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	3	0.15
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	10	0.15
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	17	0.15
(2,1254)	1:34:A:LEU:HD11	1:108:A:PRO:HD2	1	0.15
(2,1254)	1:34:A:LEU:HD12	1:108:A:PRO:HD2	1	0.15
(2,1254)	1:34:A:LEU:HD13	1:108:A:PRO:HD2	1	0.15
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	4	0.15
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	9	0.15
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	7	0.15
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	12	0.15
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	19	0.15
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	12	0.15
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	9	0.15
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	9	0.15
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	9	0.15
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	13	0.15
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	13	0.15
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	13	0.15
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	20	0.15
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	20	0.15
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	20	0.15
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	5	0.15
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	5	0.15
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	5	0.15
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	20	0.15
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	20	0.15
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	20	0.15
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	18	0.15
(2,999)	1:98:A:LEU:HB3	1:98:A:LEU:H	4	0.15
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	9	0.15
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	9	0.15
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	19	0.15
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	19	0.15
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	19	0.15
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	20	0.15
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	17	0.15
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	16	0.15
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	16	0.15
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	16	0.15
(2,916)	1:89:A:ILE:HA	1:92:A:LYS:HG2	18	0.15
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	6	0.15
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	13	0.15
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	16	0.15
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	17	0.15
(2,915)	1:89:A:ILE:HA	1:89:A:ILE:HB	20	0.15
(2,914)	1:89:A:ILE:HA	1:93:A:ALA:H	13	0.15
(2,897)	1:86:A:LYS:HA	1:89:A:ILE:H	4	0.15
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	12	0.15
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	9	0.15
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	7	0.15
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	11	0.15
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	8	0.15
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	20	0.15
(2,782)	1:76:A:LEU:HD21	1:87:A:LYS:H	6	0.15
(2,782)	1:76:A:LEU:HD22	1:87:A:LYS:H	6	0.15
(2,782)	1:76:A:LEU:HD23	1:87:A:LYS:H	6	0.15
(2,772)	1:28:A:TRP:HB3	1:76:A:LEU:HA	16	0.15
(2,767)	1:75:A:LEU:H	1:76:A:LEU:HG	6	0.15
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	17	0.15
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	17	0.15
(2,749)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	17	0.15
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	17	0.15
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	17	0.15
(2,749)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	17	0.15
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	17	0.15
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	17	0.15
(2,749)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	17	0.15
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	7	0.15
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	7	0.15
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	7	0.15
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	9	0.15
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	9	0.15
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	13	0.15
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	13	0.15
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	13	0.15
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	17	0.15
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	17	0.15
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	17	0.15
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	9	0.15
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	9	0.15
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	9	0.15
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	1	0.15
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	1	0.15
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	1	0.15
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	12	0.15
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	12	0.15
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	12	0.15
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	17	0.15
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	17	0.15
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	17	0.15
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	19	0.15
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	19	0.15
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	19	0.15
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	13	0.15
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	13	0.15
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	13	0.15
(2,651)	1:72:A:ILE:HG12	1:72:A:ILE:HA	14	0.15
(2,637)	1:71:A:LYS:HB2	1:72:A:ILE:H	9	0.15
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	20	0.15
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	20	0.15
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	20	0.15
(2,623)	1:70:A:VAL:HG11	1:70:A:VAL:HA	13	0.15
(2,623)	1:70:A:VAL:HG12	1:70:A:VAL:HA	13	0.15
(2,623)	1:70:A:VAL:HG13	1:70:A:VAL:HA	13	0.15
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	6	0.15
(2,589)	1:69:A:PRO:HA	1:69:A:PRO:HD2	12	0.15
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	4	0.15
(2,496)	1:66:A:LEU:HB3	1:63:A:LEU:HA	17	0.15
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	3	0.15
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	7	0.15
(2,438)	1:90:A:GLU:HB2	1:87:A:LYS:HA	12	0.15
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	14	0.15
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	14	0.15
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	3	0.15
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	11	0.15
(2,420)	1:57:A:LYS:HA	1:57:A:LYS:HG2	7	0.15
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	14	0.15
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	16	0.15
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	20	0.15
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	9	0.15
(2,380)	1:53:A:GLU:HA	1:53:A:GLU:HG2	13	0.15
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD11	2	0.15
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD12	2	0.15
(2,375)	1:50:A:LEU:HA	1:50:A:LEU:HD13	2	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	2	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	3	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	10	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	13	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	14	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	15	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	17	0.15
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	19	0.15
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	3	0.15
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	3	0.15
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	3	0.15
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	8	0.15
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	11	0.15
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	11	0.15
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB1	7	0.15
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB2	7	0.15
(2,288)	1:47:A:LEU:HD21	1:42:A:ALA:HB3	7	0.15
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB1	7	0.15
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB2	7	0.15
(2,288)	1:47:A:LEU:HD22	1:42:A:ALA:HB3	7	0.15
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB1	7	0.15
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB2	7	0.15
(2,288)	1:47:A:LEU:HD23	1:42:A:ALA:HB3	7	0.15
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	9	0.15
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	19	0.15
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	17	0.15
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	5	0.15
(2,256)	1:40:A:LYS:HA	1:40:A:LYS:H	7	0.15
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	1	0.15
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	18	0.15
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	7	0.15
(2,202)	1:35:A:ILE:HA	1:35:A:ILE:HG13	10	0.15
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD11	13	0.15
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD12	13	0.15
(2,193)	1:29:A:SER:HB2	1:34:A:LEU:HD13	13	0.15
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	19	0.15
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	19	0.15
(2,189)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	19	0.15
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	19	0.15
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	19	0.15
(2,189)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	19	0.15
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	19	0.15
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	19	0.15
(2,189)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	19	0.15
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	6	0.15
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	2	0.15
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	3	0.15
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	18	0.15
(2,72)	1:25:A:VAL:HG21	1:115:A:ILE:HG12	19	0.15
(2,72)	1:25:A:VAL:HG22	1:115:A:ILE:HG12	19	0.15
(2,72)	1:25:A:VAL:HG23	1:115:A:ILE:HG12	19	0.15
(2,70)	1:25:A:VAL:HG21	1:47:A:LEU:HB3	19	0.15
(2,70)	1:25:A:VAL:HG22	1:47:A:LEU:HB3	19	0.15
(2,70)	1:25:A:VAL:HG23	1:47:A:LEU:HB3	19	0.15
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	10	0.15
(2,29)	1:49:A:LEU:HD11	1:49:A:LEU:HA	4	0.15
(2,29)	1:49:A:LEU:HD12	1:49:A:LEU:HA	4	0.15
(2,29)	1:49:A:LEU:HD13	1:49:A:LEU:HA	4	0.15
(2,13)	1:23:A:LEU:HD11	1:71:A:LYS:HD2	11	0.15
(2,13)	1:23:A:LEU:HD12	1:71:A:LYS:HD2	11	0.15
(2,13)	1:23:A:LEU:HD13	1:71:A:LYS:HD2	11	0.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD11	5	0.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD12	5	0.15
(2,7)	1:23:A:LEU:HA	1:23:A:LEU:HD13	5	0.15
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD21	10	0.15
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD22	10	0.15
(1,1926)	1:25:A:VAL:H	1:24:A:LEU:HD23	10	0.15
(1,1854)	1:82:A:ALA:H	1:28:A:TRP:HE3	13	0.15
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	2	0.15
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	2	0.15
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	15	0.15
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	15	0.15
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	15	0.15
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	19	0.15
(1,1712)	1:63:A:LEU:H	1:63:A:LEU:HG	15	0.15
(1,1701)	1:39:A:ARG:H	1:39:A:ARG:HG3	1	0.15
(1,1687)	1:71:A:LYS:H	1:72:A:ILE:HG13	14	0.15
(1,1522)	1:33:A:LYS:H	1:34:A:LEU:HB3	7	0.15
(1,1463)	1:121:A:GLU:H	1:121:A:GLU:HG3	10	0.15
(1,1258)	1:59:A:ILE:H	1:59:A:ILE:HG13	11	0.15
(1,1198)	1:117:A:GLU:H	1:118:A:PHE:HB3	13	0.15
(1,1101)	1:55:A:ASP:H	1:55:A:ASP:HB3	14	0.15
(1,1036)	1:102:A:ILE:H	1:101:A:ARG:HD2	9	0.15
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	20	0.15
(1,994)	1:89:A:ILE:HG21	1:92:A:LYS:HB3	1	0.15
(1,994)	1:89:A:ILE:HG22	1:92:A:LYS:HB3	1	0.15
(1,994)	1:89:A:ILE:HG23	1:92:A:LYS:HB3	1	0.15
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	8	0.15
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	2	0.15
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	15	0.15
(1,932)	1:119:A:SER:H	1:119:A:SER:HB2	12	0.15
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	9	0.15
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	7	0.15
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	1	0.15
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	1	0.15
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	1	0.15
(1,746)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	16	0.15
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	15	0.15
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG11	18	0.15
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG12	18	0.15
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG13	18	0.15
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	1	0.15
(1,649)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	17	0.15
(1,649)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	17	0.15
(1,649)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	17	0.15
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD21	1	0.15
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD22	1	0.15
(1,558)	1:85:A:VAL:HB	1:76:A:LEU:HD23	1	0.15
(1,544)	1:83:A:ASP:H	1:83:A:ASP:HB3	16	0.15
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	11	0.15
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	1	0.15
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	20	0.15
(1,497)	1:112:A:LYS:HG3	1:41:A:MET:HA	6	0.15
(1,470)	1:75:A:LEU:HD11	1:115:A:ILE:HG12	15	0.15
(1,470)	1:75:A:LEU:HD12	1:115:A:ILE:HG12	15	0.15
(1,470)	1:75:A:LEU:HD13	1:115:A:ILE:HG12	15	0.15
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	7	0.15
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	7	0.15
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	7	0.15
(1,449)	1:26:A:LEU:HB2	1:74:A:VAL:HA	19	0.15
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	14	0.15
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	5	0.15
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	8	0.15
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	8	0.15
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	11	0.15
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	17	0.15
(1,378)	1:69:A:PRO:HD2	1:69:A:PRO:HG2	19	0.15
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	13	0.15
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	14	0.15
(1,247)	1:117:A:GLU:H	1:117:A:GLU:HG2	8	0.15
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD11	5	0.15
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD12	5	0.15
(1,243)	1:59:A:ILE:HG12	1:50:A:LEU:HD13	5	0.15
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	5	0.15
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	5	0.15
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	5	0.15
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	11	0.15
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	8	0.15
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	3	0.15
(1,88)	1:84:A:LYS:HB2	1:88:A:GLU:HG2	14	0.15
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD21	8	0.15
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD22	8	0.15
(1,57)	1:47:A:LEU:HA	1:47:A:LEU:HD23	8	0.15
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	9	0.15
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	11	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD21	1	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD22	1	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD23	1	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	0.15
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	0.15
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD11	19	0.15
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD12	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:25:A:VAL:HG11	1:47:A:LEU:HD13	19	0.15
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD11	19	0.15
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD12	19	0.15
(1,40)	1:25:A:VAL:HG12	1:47:A:LEU:HD13	19	0.15
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD11	19	0.15
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD12	19	0.15
(1,40)	1:25:A:VAL:HG13	1:47:A:LEU:HD13	19	0.15
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	3	0.15
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	4	0.15
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	14	0.15
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	15	0.15
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	4	0.15
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	4	0.15
(1,30)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	4	0.15
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	4	0.15
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	4	0.15
(1,30)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	4	0.15
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	4	0.15
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	4	0.15
(1,30)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	4	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD11	16	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD12	16	0.15
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD13	16	0.15
(1,14)	1:49:A:LEU:HD11	1:39:A:ARG:HA	8	0.15
(1,14)	1:49:A:LEU:HD12	1:39:A:ARG:HA	8	0.15
(1,14)	1:49:A:LEU:HD13	1:39:A:ARG:HA	8	0.15
(1,13)	1:49:A:LEU:HD11	1:39:A:ARG:HB3	16	0.15
(1,13)	1:49:A:LEU:HD12	1:39:A:ARG:HB3	16	0.15
(1,13)	1:49:A:LEU:HD13	1:39:A:ARG:HB3	16	0.15
(2,2842)	1:23:A:LEU:HD11	1:121:A:GLU:H	8	0.14
(2,2842)	1:23:A:LEU:HD12	1:121:A:GLU:H	8	0.14
(2,2842)	1:23:A:LEU:HD13	1:121:A:GLU:H	8	0.14
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	5	0.14
(2,2839)	1:121:A:GLU:H	1:119:A:SER:HB2	13	0.14
(2,2793)	1:41:A:MET:HG2	1:116:A:LYS:H	8	0.14
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	2	0.14
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	2	0.14
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	2	0.14
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	10	0.14
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	10	0.14
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	10	0.14
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2767)	1:105:A:VAL:HG11	1:114:A:TRP:H	15	0.14
(2,2767)	1:105:A:VAL:HG12	1:114:A:TRP:H	15	0.14
(2,2767)	1:105:A:VAL:HG13	1:114:A:TRP:H	15	0.14
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	7	0.14
(2,2727)	1:105:A:VAL:HG21	1:111:A:ALA:H	5	0.14
(2,2727)	1:105:A:VAL:HG22	1:111:A:ALA:H	5	0.14
(2,2727)	1:105:A:VAL:HG23	1:111:A:ALA:H	5	0.14
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	11	0.14
(2,2714)	1:34:A:LEU:HD11	1:110:A:GLU:H	15	0.14
(2,2714)	1:34:A:LEU:HD12	1:110:A:GLU:H	15	0.14
(2,2714)	1:34:A:LEU:HD13	1:110:A:GLU:H	15	0.14
(2,2707)	1:107:A:SER:HB2	1:110:A:GLU:H	15	0.14
(2,2683)	1:76:A:LEU:HD21	1:105:A:VAL:H	18	0.14
(2,2683)	1:76:A:LEU:HD22	1:105:A:VAL:H	18	0.14
(2,2683)	1:76:A:LEU:HD23	1:105:A:VAL:H	18	0.14
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	6	0.14
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	8	0.14
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	9	0.14
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	14	0.14
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	4	0.14
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	6	0.14
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	15	0.14
(2,2662)	1:103:A:ARG:H	1:73:A:LEU:HA	13	0.14
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	5	0.14
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	12	0.14
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	13	0.14
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	16	0.14
(2,2659)	1:76:A:LEU:H	1:103:A:ARG:H	12	0.14
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	12	0.14
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	12	0.14
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	12	0.14
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	13	0.14
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	13	0.14
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	13	0.14
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	14	0.14
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	15	0.14
(2,2645)	1:73:A:LEU:HA	1:101:A:ARG:H	16	0.14
(2,2633)	1:98:A:LEU:HD21	1:97:A:ASN:H	1	0.14
(2,2633)	1:98:A:LEU:HD22	1:97:A:ASN:H	1	0.14
(2,2633)	1:98:A:LEU:HD23	1:97:A:ASN:H	1	0.14
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	4	0.14
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2609)	1:100:A:VAL:HG11	1:93:A:ALA:H	2	0.14
(2,2609)	1:100:A:VAL:HG12	1:93:A:ALA:H	2	0.14
(2,2609)	1:100:A:VAL:HG13	1:93:A:ALA:H	2	0.14
(2,2604)	1:93:A:ALA:H	1:91:A:LYS:HB2	2	0.14
(2,2598)	1:93:A:ALA:H	1:95:A:LYS:H	3	0.14
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	19	0.14
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	19	0.14
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	19	0.14
(2,2574)	1:88:A:GLU:H	1:87:A:LYS:HB2	5	0.14
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	20	0.14
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	20	0.14
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	20	0.14
(2,2559)	1:76:A:LEU:HD21	1:86:A:LYS:H	20	0.14
(2,2559)	1:76:A:LEU:HD22	1:86:A:LYS:H	20	0.14
(2,2559)	1:76:A:LEU:HD23	1:86:A:LYS:H	20	0.14
(2,2549)	1:82:A:ALA:HA	1:85:A:VAL:H	5	0.14
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	20	0.14
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	5	0.14
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	14	0.14
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	20	0.14
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	13	0.14
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	17	0.14
(2,2432)	1:72:A:ILE:HG21	1:74:A:VAL:H	2	0.14
(2,2432)	1:72:A:ILE:HG22	1:74:A:VAL:H	2	0.14
(2,2432)	1:72:A:ILE:HG23	1:74:A:VAL:H	2	0.14
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	6	0.14
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	9	0.14
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	13	0.14
(2,2430)	1:73:A:LEU:HA	1:74:A:VAL:H	20	0.14
(2,2421)	1:24:A:LEU:HD21	1:73:A:LEU:H	9	0.14
(2,2421)	1:24:A:LEU:HD22	1:73:A:LEU:H	9	0.14
(2,2421)	1:24:A:LEU:HD23	1:73:A:LEU:H	9	0.14
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	5	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	4	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	10	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	12	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	14	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	16	0.14
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	20	0.14
(2,2403)	1:71:A:LYS:H	1:70:A:VAL:HA	10	0.14
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	9	0.14
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	19	0.14
(2,2386)	1:66:A:LEU:H	1:63:A:LEU:HA	8	0.14
(2,2384)	1:66:A:LEU:HD11	1:65:A:SER:H	3	0.14
(2,2384)	1:66:A:LEU:HD12	1:65:A:SER:H	3	0.14
(2,2384)	1:66:A:LEU:HD13	1:65:A:SER:H	3	0.14
(2,2374)	1:59:A:ILE:HA	1:63:A:LEU:H	18	0.14
(2,2370)	1:62:A:ILE:H	1:61:A:ASP:HB3	4	0.14
(2,2352)	1:52:A:LEU:HB3	1:53:A:GLU:H	18	0.14
(2,2343)	1:50:A:LEU:HD11	1:51:A:THR:H	2	0.14
(2,2343)	1:50:A:LEU:HD12	1:51:A:THR:H	2	0.14
(2,2343)	1:50:A:LEU:HD13	1:51:A:THR:H	2	0.14
(2,2332)	1:25:A:VAL:HG21	1:49:A:LEU:H	20	0.14
(2,2332)	1:25:A:VAL:HG22	1:49:A:LEU:H	20	0.14
(2,2332)	1:25:A:VAL:HG23	1:49:A:LEU:H	20	0.14
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	5	0.14
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	20	0.14
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	13	0.14
(2,2265)	1:49:A:LEU:HD21	1:40:A:LYS:H	13	0.14
(2,2265)	1:49:A:LEU:HD22	1:40:A:LYS:H	13	0.14
(2,2265)	1:49:A:LEU:HD23	1:40:A:LYS:H	13	0.14
(2,2257)	1:49:A:LEU:HD11	1:39:A:ARG:H	19	0.14
(2,2257)	1:49:A:LEU:HD12	1:39:A:ARG:H	19	0.14
(2,2257)	1:49:A:LEU:HD13	1:39:A:ARG:H	19	0.14
(2,2237)	1:37:A:GLU:HG3	1:38:A:ALA:H	16	0.14
(2,2236)	1:111:A:ALA:HB1	1:38:A:ALA:H	9	0.14
(2,2236)	1:111:A:ALA:HB2	1:38:A:ALA:H	9	0.14
(2,2236)	1:111:A:ALA:HB3	1:38:A:ALA:H	9	0.14
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	18	0.14
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	18	0.14
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	18	0.14
(2,2212)	1:33:A:LYS:HB2	1:35:A:ILE:H	9	0.14
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	7	0.14
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	3	0.14
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	19	0.14
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	19	0.14
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	1	0.14
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	4	0.14
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	15	0.14
(2,2155)	1:76:A:LEU:HD11	1:28:A:TRP:H	8	0.14
(2,2155)	1:76:A:LEU:HD12	1:28:A:TRP:H	8	0.14
(2,2155)	1:76:A:LEU:HD13	1:28:A:TRP:H	8	0.14
(2,2154)	1:27:A:ILE:HG13	1:28:A:TRP:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	6	0.14
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	8	0.14
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	16	0.14
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	5	0.14
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	7	0.14
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	9	0.14
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	10	0.14
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	13	0.14
(2,2125)	1:49:A:LEU:HA	1:25:A:VAL:H	9	0.14
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	6	0.14
(2,2117)	1:22:A:GLY:HA2	1:23:A:LEU:H	8	0.14
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	6	0.14
(2,2086)	1:95:A:LYS:H	1:95:A:LYS:HD2	16	0.14
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	1	0.14
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	6	0.14
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	8	0.14
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	18	0.14
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	8	0.14
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	9	0.14
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	15	0.14
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	16	0.14
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	4	0.14
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	1	0.14
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	13	0.14
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	10	0.14
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	7	0.14
(2,1938)	1:86:A:LYS:H	1:86:A:LYS:HB2	11	0.14
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	14	0.14
(2,1926)	1:32:A:LYS:HD2	1:32:A:LYS:H	8	0.14
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	2	0.14
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	3	0.14
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	11	0.14
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	2	0.14
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	8	0.14
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	8	0.14
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	8	0.14
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	20	0.14
(2,1880)	1:103:A:ARG:H	1:103:A:ARG:HD3	18	0.14
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	3	0.14
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	12	0.14
(2,1865)	1:101:A:ARG:H	1:101:A:ARG:HB3	13	0.14
(2,1861)	1:100:A:VAL:H	1:100:A:VAL:HB	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	8	0.14
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	17	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	1	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	2	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	7	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	12	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	14	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	16	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	19	0.14
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	20	0.14
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	15	0.14
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	18	0.14
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	18	0.14
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	18	0.14
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	19	0.14
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	11	0.14
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	11	0.14
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	11	0.14
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	4	0.14
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	8	0.14
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	6	0.14
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	4	0.14
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	15	0.14
(2,1770)	1:49:A:LEU:HB3	1:49:A:LEU:H	17	0.14
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	3	0.14
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	3	0.14
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	3	0.14
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	10	0.14
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	10	0.14
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	10	0.14
(2,1747)	1:34:A:LEU:HB2	1:34:A:LEU:H	3	0.14
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	10	0.14
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	20	0.14
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	20	0.14
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	20	0.14
(2,1729)	1:26:A:LEU:HG	1:26:A:LEU:H	6	0.14
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	11	0.14
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	19	0.14
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	9	0.14
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	8	0.14
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	17	0.14
(2,1643)	1:111:A:ALA:H	1:110:A:GLU:H	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	13	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	9	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	11	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	13	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	14	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	16	0.14
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	18	0.14
(2,1546)	1:58:A:LYS:HA	1:61:A:ASP:HB2	10	0.14
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD11	2	0.14
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD12	2	0.14
(2,1544)	1:58:A:LYS:HA	1:62:A:ILE:HD13	2	0.14
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	16	0.14
(2,1526)	1:92:A:LYS:HG3	1:92:A:LYS:HA	20	0.14
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD11	7	0.14
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD12	7	0.14
(2,1515)	1:48:A:TYR:HB3	1:62:A:ILE:HD13	7	0.14
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	7	0.14
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	7	0.14
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	7	0.14
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	10	0.14
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	10	0.14
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	10	0.14
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	20	0.14
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	20	0.14
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	20	0.14
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	18	0.14
(2,1458)	1:59:A:ILE:HG21	1:60:A:GLU:HA	6	0.14
(2,1458)	1:59:A:ILE:HG22	1:60:A:GLU:HA	6	0.14
(2,1458)	1:59:A:ILE:HG23	1:60:A:GLU:HA	6	0.14
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	15	0.14
(2,1443)	1:120:A:GLU:HA	1:120:A:GLU:H	20	0.14
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	1	0.14
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	1	0.14
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	1	0.14
(2,1438)	1:45:A:ALA:HB1	1:119:A:SER:HB2	5	0.14
(2,1438)	1:45:A:ALA:HB2	1:119:A:SER:HB2	5	0.14
(2,1438)	1:45:A:ALA:HB3	1:119:A:SER:HB2	5	0.14
(2,1430)	1:23:A:LEU:HD11	1:119:A:SER:HA	17	0.14
(2,1430)	1:23:A:LEU:HD12	1:119:A:SER:HA	17	0.14
(2,1430)	1:23:A:LEU:HD13	1:119:A:SER:HA	17	0.14
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	3	0.14
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	16	0.14
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	17	0.14
(2,1398)	1:117:A:GLU:HA	1:120:A:GLU:H	20	0.14
(2,1396)	1:117:A:GLU:HA	1:117:A:GLU:HG3	3	0.14
(2,1368)	1:115:A:ILE:HG21	1:115:A:ILE:HA	3	0.14
(2,1368)	1:115:A:ILE:HG22	1:115:A:ILE:HA	3	0.14
(2,1368)	1:115:A:ILE:HG23	1:115:A:ILE:HA	3	0.14
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	15	0.14
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	15	0.14
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	2	0.14
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	18	0.14
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	18	0.14
(2,1311)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	18	0.14
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	18	0.14
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	18	0.14
(2,1311)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	18	0.14
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	18	0.14
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	18	0.14
(2,1311)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	18	0.14
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	7	0.14
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	11	0.14
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	5	0.14
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	9	0.14
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	10	0.14
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	19	0.14
(2,1257)	1:34:A:LEU:HA	1:108:A:PRO:HG3	10	0.14
(2,1226)	1:107:A:SER:HA	1:108:A:PRO:HD2	14	0.14
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	6	0.14
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	13	0.14
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	1	0.14
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	1	0.14
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	9	0.14
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	15	0.14
(2,1184)	1:104:A:LYS:HG3	1:104:A:LYS:HA	8	0.14
(2,1178)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	2	0.14
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	12	0.14
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	15	0.14
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	18	0.14
(2,1165)	1:105:A:VAL:HG21	1:104:A:LYS:HA	10	0.14
(2,1165)	1:105:A:VAL:HG22	1:104:A:LYS:HA	10	0.14
(2,1165)	1:105:A:VAL:HG23	1:104:A:LYS:HA	10	0.14
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	4	0.14
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	4	0.14
(2,1161)	1:76:A:LEU:HB2	1:104:A:LYS:HA	6	0.14
(2,1155)	1:103:A:ARG:HD3	1:103:A:ARG:HA	3	0.14
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	11	0.14
(2,1132)	1:102:A:ILE:HG21	1:102:A:ILE:H	18	0.14
(2,1132)	1:102:A:ILE:HG22	1:102:A:ILE:H	18	0.14
(2,1132)	1:102:A:ILE:HG23	1:102:A:ILE:H	18	0.14
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	3	0.14
(2,1037)	1:99:A:PRO:HD3	1:98:A:LEU:HB3	20	0.14
(2,1025)	1:99:A:PRO:HB3	1:100:A:VAL:H	20	0.14
(2,1006)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	7	0.14
(2,1006)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	7	0.14
(2,1006)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	7	0.14
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	10	0.14
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	10	0.14
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	10	0.14
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	6	0.14
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	4	0.14
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	4	0.14
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	4	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	4	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	4	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	4	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG21	9	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG22	9	0.14
(2,935)	1:90:A:GLU:H	1:89:A:ILE:HG23	9	0.14
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	20	0.14
(2,871)	1:76:A:LEU:HD11	1:85:A:VAL:HB	2	0.14
(2,871)	1:76:A:LEU:HD12	1:85:A:VAL:HB	2	0.14
(2,871)	1:76:A:LEU:HD13	1:85:A:VAL:HB	2	0.14
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	5	0.14
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	5	0.14
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	5	0.14
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	11	0.14
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	11	0.14
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	11	0.14
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	18	0.14
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	18	0.14
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	18	0.14
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	8	0.14
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	13	0.14
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB1	6	0.14
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB2	6	0.14
(2,835)	1:79:A:THR:HA	1:82:A:ALA:HB3	6	0.14
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	11	0.14
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	17	0.14
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	2	0.14
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	14	0.14
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	20	0.14
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	16	0.14
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	5	0.14
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	12	0.14
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	13	0.14
(2,761)	1:75:A:LEU:HD21	1:114:A:TRP:HD1	2	0.14
(2,761)	1:75:A:LEU:HD22	1:114:A:TRP:HD1	2	0.14
(2,761)	1:75:A:LEU:HD23	1:114:A:TRP:HD1	2	0.14
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	14	0.14
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	14	0.14
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	14	0.14
(2,743)	1:27:A:ILE:HD11	1:75:A:LEU:HB3	12	0.14
(2,743)	1:27:A:ILE:HD12	1:75:A:LEU:HB3	12	0.14
(2,743)	1:27:A:ILE:HD13	1:75:A:LEU:HB3	12	0.14
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	2	0.14
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	2	0.14
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	2	0.14
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	4	0.14
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	4	0.14
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	4	0.14
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	15	0.14
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	15	0.14
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	15	0.14
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	3	0.14
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	3	0.14
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	3	0.14
(2,692)	1:73:A:LEU:HD21	1:114:A:TRP:HB2	1	0.14
(2,692)	1:73:A:LEU:HD22	1:114:A:TRP:HB2	1	0.14
(2,692)	1:73:A:LEU:HD23	1:114:A:TRP:HB2	1	0.14
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	6	0.14
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	6	0.14
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	6	0.14
(2,661)	1:72:A:ILE:HD11	1:72:A:ILE:HB	14	0.14
(2,661)	1:72:A:ILE:HD12	1:72:A:ILE:HB	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:72:A:ILE:HD13	1:72:A:ILE:HB	14	0.14
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	10	0.14
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	10	0.14
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	10	0.14
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	4	0.14
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	4	0.14
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	4	0.14
(2,615)	1:70:A:VAL:HG11	1:66:A:LEU:HB3	10	0.14
(2,615)	1:70:A:VAL:HG12	1:66:A:LEU:HB3	10	0.14
(2,615)	1:70:A:VAL:HG13	1:66:A:LEU:HB3	10	0.14
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	16	0.14
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	16	0.14
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	16	0.14
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	13	0.14
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	7	0.14
(2,551)	1:66:A:LEU:HG	1:63:A:LEU:HA	3	0.14
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	7	0.14
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	9	0.14
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD11	5	0.14
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD12	5	0.14
(2,516)	1:63:A:LEU:HA	1:63:A:LEU:HD13	5	0.14
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	15	0.14
(2,467)	1:63:A:LEU:HB2	1:60:A:GLU:HA	19	0.14
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	2	0.14
(2,465)	1:60:A:GLU:HG2	1:60:A:GLU:HA	20	0.14
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	11	0.14
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	11	0.14
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	11	0.14
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	11	0.14
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	11	0.14
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	11	0.14
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	11	0.14
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	11	0.14
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	11	0.14
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	2	0.14
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	2	0.14
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	2	0.14
(2,445)	1:59:A:ILE:HD11	1:59:A:ILE:HA	14	0.14
(2,445)	1:59:A:ILE:HD12	1:59:A:ILE:HA	14	0.14
(2,445)	1:59:A:ILE:HD13	1:59:A:ILE:HA	14	0.14
(2,445)	1:59:A:ILE:HD11	1:59:A:ILE:HA	20	0.14
(2,445)	1:59:A:ILE:HD12	1:59:A:ILE:HA	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:59:A:ILE:HD13	1:59:A:ILE:HA	20	0.14
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD11	14	0.14
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD12	14	0.14
(2,444)	1:39:A:ARG:HB2	1:49:A:LEU:HD13	14	0.14
(2,422)	1:57:A:LYS:HA	1:57:A:LYS:HB2	7	0.14
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	2	0.14
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	15	0.14
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	2	0.14
(2,406)	1:52:A:LEU:H	1:52:A:LEU:HG	20	0.14
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	6	0.14
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	6	0.14
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	6	0.14
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	11	0.14
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	4	0.14
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	7	0.14
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	8	0.14
(2,356)	1:51:A:THR:HB	1:51:A:THR:HA	9	0.14
(2,341)	1:49:A:LEU:HD21	1:49:A:LEU:HB2	18	0.14
(2,341)	1:49:A:LEU:HD22	1:49:A:LEU:HB2	18	0.14
(2,341)	1:49:A:LEU:HD23	1:49:A:LEU:HB2	18	0.14
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB1	18	0.14
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB2	18	0.14
(2,292)	1:39:A:ARG:HA	1:42:A:ALA:HB3	18	0.14
(2,283)	1:115:A:ILE:HG21	1:42:A:ALA:HA	10	0.14
(2,283)	1:115:A:ILE:HG22	1:42:A:ALA:HA	10	0.14
(2,283)	1:115:A:ILE:HG23	1:42:A:ALA:HA	10	0.14
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	16	0.14
(2,262)	1:41:A:MET:HA	1:42:A:ALA:H	16	0.14
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	9	0.14
(2,258)	1:117:A:GLU:HA	1:117:A:GLU:HB2	18	0.14
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	17	0.14
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	17	0.14
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	17	0.14
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	6	0.14
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	6	0.14
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	6	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	6	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	6	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	6	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	6	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	6	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	19	0.14
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	19	0.14
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	19	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	19	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	19	0.14
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	19	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	19	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	19	0.14
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	19	0.14
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	8	0.14
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	8	0.14
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	8	0.14
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB1	3	0.14
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB2	3	0.14
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB3	3	0.14
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	10	0.14
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	12	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	4	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	5	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	11	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	13	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	16	0.14
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	20	0.14
(2,221)	1:35:A:ILE:HG21	1:36:A:GLU:HA	5	0.14
(2,221)	1:35:A:ILE:HG22	1:36:A:GLU:HA	5	0.14
(2,221)	1:35:A:ILE:HG23	1:36:A:GLU:HA	5	0.14
(2,203)	1:35:A:ILE:HA	1:38:A:ALA:H	12	0.14
(2,199)	1:27:A:ILE:HD11	1:35:A:ILE:HA	20	0.14
(2,199)	1:27:A:ILE:HD12	1:35:A:ILE:HA	20	0.14
(2,199)	1:27:A:ILE:HD13	1:35:A:ILE:HA	20	0.14
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	14	0.14
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	14	0.14
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	14	0.14
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	6	0.14
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	19	0.14
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	19	0.14
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	13	0.14
(2,119)	1:27:A:ILE:HG21	1:51:A:THR:HG1	20	0.14
(2,119)	1:27:A:ILE:HG22	1:51:A:THR:HG1	20	0.14
(2,119)	1:27:A:ILE:HG23	1:51:A:THR:HG1	20	0.14
(2,108)	1:27:A:ILE:HD11	1:49:A:LEU:HG	16	0.14
(2,108)	1:27:A:ILE:HD12	1:49:A:LEU:HG	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:27:A:ILE:HD13	1:49:A:LEU:HG	16	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	7	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	7	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	7	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	8	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	8	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	8	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	18	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	18	0.14
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	18	0.14
(2,78)	1:26:A:LEU:HA	1:26:A:LEU:HG	7	0.14
(2,76)	1:24:A:LEU:HD11	1:26:A:LEU:HA	19	0.14
(2,76)	1:24:A:LEU:HD12	1:26:A:LEU:HA	19	0.14
(2,76)	1:24:A:LEU:HD13	1:26:A:LEU:HA	19	0.14
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD21	19	0.14
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD22	19	0.14
(2,71)	1:25:A:VAL:HG21	1:47:A:LEU:HD23	19	0.14
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD21	19	0.14
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD22	19	0.14
(2,71)	1:25:A:VAL:HG22	1:47:A:LEU:HD23	19	0.14
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD21	19	0.14
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD22	19	0.14
(2,71)	1:25:A:VAL:HG23	1:47:A:LEU:HD23	19	0.14
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	1	0.14
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	19	0.14
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	19	0.14
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	19	0.14
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	2	0.14
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	2	0.14
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	2	0.14
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	2	0.14
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	2	0.14
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	2	0.14
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	2	0.14
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	2	0.14
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	2	0.14
(1,2215)	1:91:A:LYS:H	1:91:A:LYS:HG2	5	0.14
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	7	0.14
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	7	0.14
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	7	0.14
(1,2021)	1:102:A:ILE:H	1:74:A:VAL:HB	16	0.14
(1,1876)	1:35:A:ILE:H	1:33:A:LYS:HB2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:67:A:GLY:H	1:68:A:PRO:HD2	2	0.14
(1,1813)	1:46:A:ASN:H	1:47:A:LEU:HB3	4	0.14
(1,1754)	1:112:A:LYS:H	1:108:A:PRO:HB3	20	0.14
(1,1668)	1:33:A:LYS:H	1:33:A:LYS:HG2	6	0.14
(1,1623)	1:103:A:ARG:H	1:104:A:LYS:HG2	13	0.14
(1,1504)	1:67:A:GLY:H	1:70:A:VAL:HB	15	0.14
(1,1479)	1:105:A:VAL:H	1:76:A:LEU:HB2	14	0.14
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	10	0.14
(1,1391)	1:32:A:LYS:H	1:32:A:LYS:HG2	18	0.14
(1,1361)	1:93:A:ALA:H	1:96:A:LYS:HB3	17	0.14
(1,1295)	1:84:A:LYS:H	1:84:A:LYS:HD2	7	0.14
(1,1198)	1:117:A:GLU:H	1:118:A:PHE:HB3	16	0.14
(1,1191)	1:116:A:LYS:H	1:117:A:GLU:HG3	17	0.14
(1,1015)	1:60:A:GLU:HA	1:60:A:GLU:HG2	3	0.14
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	8	0.14
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	12	0.14
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	13	0.14
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	18	0.14
(1,911)	1:118:A:PHE:H	1:117:A:GLU:HB2	9	0.14
(1,880)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	4	0.14
(1,880)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	4	0.14
(1,880)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	4	0.14
(1,879)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	1	0.14
(1,879)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	1	0.14
(1,879)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	1	0.14
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB1	7	0.14
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB2	7	0.14
(1,840)	1:34:A:LEU:HD11	1:111:A:ALA:HB3	7	0.14
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB1	7	0.14
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB2	7	0.14
(1,840)	1:34:A:LEU:HD12	1:111:A:ALA:HB3	7	0.14
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB1	7	0.14
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB2	7	0.14
(1,840)	1:34:A:LEU:HD13	1:111:A:ALA:HB3	7	0.14
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	2	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	2	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	2	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	2	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	5	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	5	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	5	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	6	0.14
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	6	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG21	9	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG22	9	0.14
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG23	9	0.14
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	19	0.14
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	19	0.14
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	19	0.14
(1,746)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	8	0.14
(1,727)	1:103:A:ARG:HG2	1:103:A:ARG:HD2	7	0.14
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	2	0.14
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	16	0.14
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD11	13	0.14
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD12	13	0.14
(1,647)	1:98:A:LEU:HA	1:98:A:LEU:HD13	13	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	6	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	6	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	6	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	18	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	18	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	18	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	19	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	19	0.14
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	19	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	3	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	3	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	3	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	10	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	10	0.14
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	10	0.14
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	2	0.14
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	9	0.14
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	18	0.14
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	8	0.14
(1,488)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	5	0.14
(1,488)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	5	0.14
(1,488)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	5	0.14
(1,477)	1:76:A:LEU:H	1:75:A:LEU:HD21	11	0.14
(1,477)	1:76:A:LEU:H	1:75:A:LEU:HD22	11	0.14
(1,477)	1:76:A:LEU:H	1:75:A:LEU:HD23	11	0.14
(1,472)	1:75:A:LEU:HD21	1:114:A:TRP:HB3	8	0.14
(1,472)	1:75:A:LEU:HD22	1:114:A:TRP:HB3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:75:A:LEU:HD23	1:114:A:TRP:HB3	8	0.14
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	1	0.14
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	1	0.14
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	1	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	1	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	1	0.14
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	1	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	1	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	1	0.14
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	1	0.14
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD21	7	0.14
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD22	7	0.14
(1,434)	1:118:A:PHE:HB2	1:73:A:LEU:HD23	7	0.14
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	2	0.14
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	2	0.14
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	2	0.14
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	2	0.14
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	2	0.14
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	2	0.14
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD21	14	0.14
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD22	14	0.14
(1,427)	1:73:A:LEU:HA	1:73:A:LEU:HD23	14	0.14
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	6	0.14
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	2	0.14
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	4	0.14
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	20	0.14
(1,328)	1:63:A:LEU:H	1:63:A:LEU:HB2	14	0.14
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	14	0.14
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	14	0.14
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	14	0.14
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	2	0.14
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	10	0.14
(1,264)	1:55:A:ASP:HB3	1:55:A:ASP:HA	20	0.14
(1,256)	1:76:A:LEU:H	1:76:A:LEU:HD21	18	0.14
(1,256)	1:76:A:LEU:H	1:76:A:LEU:HD22	18	0.14
(1,256)	1:76:A:LEU:H	1:76:A:LEU:HD23	18	0.14
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	14	0.14
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD21	2	0.14
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD22	2	0.14
(1,223)	1:42:A:ALA:HB1	1:49:A:LEU:HD23	2	0.14
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD21	2	0.14
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD22	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:42:A:ALA:HB2	1:49:A:LEU:HD23	2	0.14
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD21	2	0.14
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD22	2	0.14
(1,223)	1:42:A:ALA:HB3	1:49:A:LEU:HD23	2	0.14
(1,212)	1:25:A:VAL:H	1:49:A:LEU:HA	10	0.14
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	2	0.14
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	12	0.14
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	18	0.14
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	18	0.14
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	18	0.14
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	4	0.14
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	4	0.14
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	4	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	4	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	4	0.14
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	4	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	4	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	4	0.14
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	4	0.14
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	15	0.14
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	17	0.14
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD21	8	0.14
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD22	8	0.14
(1,42)	1:26:A:LEU:HA	1:26:A:LEU:HD23	8	0.14
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	12	0.14
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	12	0.14
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	12	0.14
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	12	0.14
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	12	0.14
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	12	0.14
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	18	0.14
(2,2831)	1:118:A:PHE:HB3	1:120:A:GLU:H	6	0.13
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	17	0.13
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	15	0.13
(2,2779)	1:41:A:MET:HG3	1:115:A:ILE:H	2	0.13
(2,2766)	1:114:A:TRP:H	1:113:A:ARG:HG3	17	0.13
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	7	0.13
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	7	0.13
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	7	0.13
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	11	0.13
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	11	0.13
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	1	0.13
(2,2755)	1:114:A:TRP:HD1	1:114:A:TRP:H	11	0.13
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	5	0.13
(2,2681)	1:104:A:LYS:HG3	1:105:A:VAL:H	5	0.13
(2,2670)	1:104:A:LYS:H	1:103:A:ARG:HG2	4	0.13
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	1	0.13
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	7	0.13
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	15	0.13
(2,2656)	1:101:A:ARG:HG2	1:102:A:ILE:H	3	0.13
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	2	0.13
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	7	0.13
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	15	0.13
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	5	0.13
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	5	0.13
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	5	0.13
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	3	0.13
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	20	0.13
(2,2626)	1:96:A:LYS:H	1:95:A:LYS:HB2	17	0.13
(2,2625)	1:93:A:ALA:HA	1:96:A:LYS:H	18	0.13
(2,2606)	1:93:A:ALA:H	1:92:A:LYS:HB2	4	0.13
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	10	0.13
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	3	0.13
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	3	0.13
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	3	0.13
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	16	0.13
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	16	0.13
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	16	0.13
(2,2583)	1:90:A:GLU:H	1:89:A:ILE:HB	5	0.13
(2,2583)	1:90:A:GLU:H	1:89:A:ILE:HB	7	0.13
(2,2569)	1:102:A:ILE:HD11	1:87:A:LYS:H	7	0.13
(2,2569)	1:102:A:ILE:HD12	1:87:A:LYS:H	7	0.13
(2,2569)	1:102:A:ILE:HD13	1:87:A:LYS:H	7	0.13
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	7	0.13
(2,2539)	1:76:A:LEU:HD21	1:83:A:ASP:H	3	0.13
(2,2539)	1:76:A:LEU:HD22	1:83:A:ASP:H	3	0.13
(2,2539)	1:76:A:LEU:HD23	1:83:A:ASP:H	3	0.13
(2,2538)	1:85:A:VAL:HB	1:83:A:ASP:H	15	0.13
(2,2523)	1:79:A:THR:HG1	1:82:A:ALA:H	15	0.13
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	13	0.13
(2,2492)	1:78:A:ASP:H	1:104:A:LYS:HA	2	0.13
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	4	0.13
(2,2487)	1:76:A:LEU:HD11	1:28:A:TRP:HE1	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2487)	1:76:A:LEU:HD12	1:28:A:TRP:HE1	14	0.13
(2,2487)	1:76:A:LEU:HD13	1:28:A:TRP:HE1	14	0.13
(2,2479)	1:28:A:TRP:HE3	1:28:A:TRP:HE1	9	0.13
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	3	0.13
(2,2458)	1:105:A:VAL:HG21	1:77:A:GLU:H	1	0.13
(2,2458)	1:105:A:VAL:HG22	1:77:A:GLU:H	1	0.13
(2,2458)	1:105:A:VAL:HG23	1:77:A:GLU:H	1	0.13
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	4	0.13
(2,2445)	1:76:A:LEU:H	1:105:A:VAL:H	7	0.13
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	11	0.13
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	16	0.13
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	20	0.13
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	1	0.13
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	11	0.13
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	4	0.13
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	18	0.13
(2,2368)	1:63:A:LEU:HB3	1:62:A:ILE:H	8	0.13
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	10	0.13
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	19	0.13
(2,2351)	1:27:A:ILE:HG21	1:52:A:LEU:H	19	0.13
(2,2351)	1:27:A:ILE:HG22	1:52:A:LEU:H	19	0.13
(2,2351)	1:27:A:ILE:HG23	1:52:A:LEU:H	19	0.13
(2,2345)	1:49:A:LEU:HD11	1:51:A:THR:H	16	0.13
(2,2345)	1:49:A:LEU:HD12	1:51:A:THR:H	16	0.13
(2,2345)	1:49:A:LEU:HD13	1:51:A:THR:H	16	0.13
(2,2340)	1:50:A:LEU:HA	1:51:A:THR:H	20	0.13
(2,2301)	1:43:A:GLU:HB3	1:44:A:LYS:H	19	0.13
(2,2293)	1:40:A:LYS:HB2	1:43:A:GLU:H	7	0.13
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	4	0.13
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	4	0.13
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	4	0.13
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	10	0.13
(2,2271)	1:40:A:LYS:HG2	1:41:A:MET:H	11	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	16	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	16	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	16	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	19	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	19	0.13
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	19	0.13
(2,2217)	1:32:A:LYS:HE2	1:35:A:ILE:H	12	0.13
(2,2203)	1:32:A:LYS:HA	1:34:A:LEU:H	16	0.13
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	14	0.13
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	17	0.13
(2,2137)	1:26:A:LEU:H	1:72:A:ILE:HA	20	0.13
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	1	0.13
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	4	0.13
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	3	0.13
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	3	0.13
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	3	0.13
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	20	0.13
(2,2094)	1:87:A:LYS:HG3	1:87:A:LYS:H	1	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	2	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	3	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	5	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	9	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	12	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	15	0.13
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	19	0.13
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	5	0.13
(2,2066)	1:90:A:GLU:H	1:90:A:GLU:HG3	11	0.13
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	6	0.13
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	12	0.13
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	16	0.13
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	9	0.13
(2,2052)	1:120:A:GLU:HG3	1:120:A:GLU:H	11	0.13
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	4	0.13
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	14	0.13
(2,2035)	1:84:A:LYS:H	1:84:A:LYS:HD2	9	0.13
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	14	0.13
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	5	0.13
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	10	0.13
(2,2012)	1:119:A:SER:H	1:119:A:SER:HB2	7	0.13
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	1	0.13
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	1	0.13
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	7	0.13
(2,1966)	1:116:A:LYS:H	1:116:A:LYS:HG2	8	0.13
(2,1964)	1:116:A:LYS:H	1:116:A:LYS:HB3	2	0.13
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	8	0.13
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	9	0.13
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	19	0.13
(2,1908)	1:118:A:PHE:HB2	1:118:A:PHE:H	10	0.13
(2,1903)	1:115:A:ILE:HG13	1:115:A:ILE:H	19	0.13
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	20	0.13
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	20	0.13
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	2	0.13
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	7	0.13
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	8	0.13
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	12	0.13
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	20	0.13
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	10	0.13
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	10	0.13
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	10	0.13
(2,1853)	1:97:A:ASN:H	1:97:A:ASN:HB3	10	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	3	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	6	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	8	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	10	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	11	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	13	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	15	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	17	0.13
(2,1852)	1:97:A:ASN:HA	1:97:A:ASN:H	18	0.13
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG21	10	0.13
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG22	10	0.13
(2,1827)	1:74:A:VAL:H	1:74:A:VAL:HG23	10	0.13
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	20	0.13
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	20	0.13
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	20	0.13
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	9	0.13
(2,1794)	1:63:A:LEU:HB2	1:63:A:LEU:H	10	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	14	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	14	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	14	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD11	16	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD12	16	0.13
(2,1781)	1:52:A:LEU:H	1:52:A:LEU:HD13	16	0.13
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	5	0.13
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	2	0.13
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	5	0.13
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	18	0.13
(2,1770)	1:49:A:LEU:HB3	1:49:A:LEU:H	13	0.13
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	12	0.13
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	12	0.13
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	15	0.13
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	14	0.13
(2,1724)	1:25:A:VAL:HG21	1:25:A:VAL:H	5	0.13
(2,1724)	1:25:A:VAL:HG22	1:25:A:VAL:H	5	0.13
(2,1724)	1:25:A:VAL:HG23	1:25:A:VAL:H	5	0.13
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	19	0.13
(2,1721)	1:24:A:LEU:HD21	1:24:A:LEU:H	10	0.13
(2,1721)	1:24:A:LEU:HD22	1:24:A:LEU:H	10	0.13
(2,1721)	1:24:A:LEU:HD23	1:24:A:LEU:H	10	0.13
(2,1707)	1:117:A:GLU:H	1:118:A:PHE:H	5	0.13
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	8	0.13
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	6	0.13
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	8	0.13
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	9	0.13
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	18	0.13
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	7	0.13
(2,1639)	1:94:A:ARG:H	1:95:A:LYS:H	15	0.13
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	9	0.13
(2,1633)	1:90:A:GLU:H	1:91:A:LYS:H	12	0.13
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	3	0.13
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	7	0.13
(2,1548)	1:91:A:LYS:HB3	1:91:A:LYS:HG2	7	0.13
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	15	0.13
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	15	0.13
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	15	0.13
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	8	0.13
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG21	4	0.13
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG22	4	0.13
(2,1455)	1:24:A:LEU:HB3	1:59:A:ILE:HG23	4	0.13
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD11	2	0.13
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD12	2	0.13
(2,1453)	1:72:A:ILE:HG21	1:59:A:ILE:HD13	2	0.13
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD11	2	0.13
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD12	2	0.13
(2,1453)	1:72:A:ILE:HG22	1:59:A:ILE:HD13	2	0.13
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD11	2	0.13
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD12	2	0.13
(2,1453)	1:72:A:ILE:HG23	1:59:A:ILE:HD13	2	0.13
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	2	0.13
(2,1445)	1:120:A:GLU:HA	1:120:A:GLU:HG2	19	0.13
(2,1444)	1:120:A:GLU:HA	1:120:A:GLU:HG3	2	0.13
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1426)	1:119:A:SER:HA	1:120:A:GLU:H	14	0.13
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	5	0.13
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	12	0.13
(2,1396)	1:117:A:GLU:HA	1:117:A:GLU:HG3	13	0.13
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD11	2	0.13
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD12	2	0.13
(2,1384)	1:25:A:VAL:HG21	1:115:A:ILE:HD13	2	0.13
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD11	2	0.13
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD12	2	0.13
(2,1384)	1:25:A:VAL:HG22	1:115:A:ILE:HD13	2	0.13
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD11	2	0.13
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD12	2	0.13
(2,1384)	1:25:A:VAL:HG23	1:115:A:ILE:HD13	2	0.13
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	6	0.13
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	7	0.13
(2,1343)	1:113:A:ARG:HD2	1:110:A:GLU:HA	5	0.13
(2,1325)	1:113:A:ARG:HA	1:116:A:LYS:H	19	0.13
(2,1281)	1:110:A:GLU:HA	1:114:A:TRP:H	3	0.13
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	3	0.13
(2,1280)	1:111:A:ALA:H	1:110:A:GLU:HA	12	0.13
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	5	0.13
(2,1250)	1:107:A:SER:HA	1:108:A:PRO:HD2	20	0.13
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	20	0.13
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	20	0.13
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	14	0.13
(2,1185)	1:104:A:LYS:HG2	1:104:A:LYS:H	18	0.13
(2,1175)	1:76:A:LEU:HB2	1:104:A:LYS:HB2	19	0.13
(2,1165)	1:105:A:VAL:HG21	1:104:A:LYS:HA	9	0.13
(2,1165)	1:105:A:VAL:HG22	1:104:A:LYS:HA	9	0.13
(2,1165)	1:105:A:VAL:HG23	1:104:A:LYS:HA	9	0.13
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	13	0.13
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	16	0.13
(2,1147)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	20	0.13
(2,1091)	1:118:A:PHE:HD1	1:101:A:ARG:HD2	7	0.13
(2,1091)	1:118:A:PHE:HD2	1:101:A:ARG:HD2	7	0.13
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	6	0.13
(2,1079)	1:73:A:LEU:HA	1:101:A:ARG:HB2	7	0.13
(2,1066)	1:100:A:VAL:HG11	1:101:A:ARG:H	14	0.13
(2,1066)	1:100:A:VAL:HG12	1:101:A:ARG:H	14	0.13
(2,1066)	1:100:A:VAL:HG13	1:101:A:ARG:H	14	0.13
(2,1035)	1:98:A:LEU:HD21	1:99:A:PRO:HD3	14	0.13
(2,1035)	1:98:A:LEU:HD22	1:99:A:PRO:HD3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1035)	1:98:A:LEU:HD23	1:99:A:PRO:HD3	14	0.13
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	12	0.13
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	12	0.13
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	12	0.13
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB1	7	0.13
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB2	7	0.13
(2,967)	1:49:A:LEU:HA	1:42:A:ALA:HB3	7	0.13
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	3	0.13
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	13	0.13
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	9	0.13
(2,938)	1:89:A:ILE:HG21	1:90:A:GLU:HA	6	0.13
(2,938)	1:89:A:ILE:HG22	1:90:A:GLU:HA	6	0.13
(2,938)	1:89:A:ILE:HG23	1:90:A:GLU:HA	6	0.13
(2,912)	1:89:A:ILE:HA	1:92:A:LYS:H	1	0.13
(2,889)	1:102:A:ILE:HD11	1:86:A:LYS:HA	7	0.13
(2,889)	1:102:A:ILE:HD12	1:86:A:LYS:HA	7	0.13
(2,889)	1:102:A:ILE:HD13	1:86:A:LYS:HA	7	0.13
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	4	0.13
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	4	0.13
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	4	0.13
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	19	0.13
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	19	0.13
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	19	0.13
(2,852)	1:84:A:LYS:H	1:83:A:ASP:HB3	20	0.13
(2,828)	1:82:A:ALA:HA	1:85:A:VAL:HB	8	0.13
(2,826)	1:82:A:ALA:HA	1:28:A:TRP:HE3	12	0.13
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	4	0.13
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	8	0.13
(2,820)	1:80:A:LYS:HA	1:81:A:ASP:HA	16	0.13
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	15	0.13
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	9	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	2	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	8	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	9	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	10	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	14	0.13
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	16	0.13
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	1	0.13
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	1	0.13
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	1	0.13
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	7	0.13
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	7	0.13
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	12	0.13
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	12	0.13
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	12	0.13
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	18	0.13
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	18	0.13
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	18	0.13
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	20	0.13
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	20	0.13
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	20	0.13
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	20	0.13
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	20	0.13
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	20	0.13
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	20	0.13
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	20	0.13
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	20	0.13
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	5	0.13
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	7	0.13
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	17	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	1	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	2	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	6	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	12	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	15	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	18	0.13
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	19	0.13
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	13	0.13
(2,562)	1:70:A:VAL:HG21	1:68:A:PRO:HB2	9	0.13
(2,562)	1:70:A:VAL:HG22	1:68:A:PRO:HB2	9	0.13
(2,562)	1:70:A:VAL:HG23	1:68:A:PRO:HB2	9	0.13
(2,545)	1:66:A:LEU:HD11	1:65:A:SER:HB3	15	0.13
(2,545)	1:66:A:LEU:HD12	1:65:A:SER:HB3	15	0.13
(2,545)	1:66:A:LEU:HD13	1:65:A:SER:HB3	15	0.13
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	8	0.13
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	14	0.13
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	20	0.13
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	17	0.13
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG21	17	0.13
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG22	17	0.13
(2,462)	1:93:A:ALA:HB1	1:89:A:ILE:HG23	17	0.13
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG21	17	0.13
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG22	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:93:A:ALA:HB2	1:89:A:ILE:HG23	17	0.13
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG21	17	0.13
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG22	17	0.13
(2,462)	1:93:A:ALA:HB3	1:89:A:ILE:HG23	17	0.13
(2,459)	1:59:A:ILE:HG21	1:60:A:GLU:HG2	3	0.13
(2,459)	1:59:A:ILE:HG22	1:60:A:GLU:HG2	3	0.13
(2,459)	1:59:A:ILE:HG23	1:60:A:GLU:HG2	3	0.13
(2,455)	1:115:A:ILE:HG21	1:116:A:LYS:H	4	0.13
(2,455)	1:115:A:ILE:HG22	1:116:A:LYS:H	4	0.13
(2,455)	1:115:A:ILE:HG23	1:116:A:LYS:H	4	0.13
(2,445)	1:59:A:ILE:HD11	1:59:A:ILE:HA	11	0.13
(2,445)	1:59:A:ILE:HD12	1:59:A:ILE:HA	11	0.13
(2,445)	1:59:A:ILE:HD13	1:59:A:ILE:HA	11	0.13
(2,442)	1:90:A:GLU:HB2	1:91:A:LYS:H	3	0.13
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	5	0.13
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	7	0.13
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	9	0.13
(2,413)	1:56:A:ASP:HB2	1:56:A:ASP:H	13	0.13
(2,395)	1:52:A:LEU:H	1:52:A:LEU:HB2	13	0.13
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	12	0.13
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	15	0.13
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	15	0.13
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	15	0.13
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	18	0.13
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	18	0.13
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	18	0.13
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	19	0.13
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	3	0.13
(2,360)	1:51:A:THR:HG1	1:51:A:THR:HB	10	0.13
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD21	6	0.13
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD22	6	0.13
(2,350)	1:39:A:ARG:HA	1:49:A:LEU:HD23	6	0.13
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	8	0.13
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	8	0.13
(2,313)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	8	0.13
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	8	0.13
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	8	0.13
(2,313)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	8	0.13
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	8	0.13
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	8	0.13
(2,313)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	8	0.13
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB1	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB2	1	0.13
(2,312)	1:47:A:LEU:HD21	1:45:A:ALA:HB3	1	0.13
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB1	1	0.13
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB2	1	0.13
(2,312)	1:47:A:LEU:HD22	1:45:A:ALA:HB3	1	0.13
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB1	1	0.13
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB2	1	0.13
(2,312)	1:47:A:LEU:HD23	1:45:A:ALA:HB3	1	0.13
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	12	0.13
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	1	0.13
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	2	0.13
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	10	0.13
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	7	0.13
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB1	8	0.13
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB2	8	0.13
(2,246)	1:39:A:ARG:HA	1:42:A:ALA:HB3	8	0.13
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	19	0.13
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	15	0.13
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	6	0.13
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG21	11	0.13
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG22	11	0.13
(2,198)	1:35:A:ILE:HA	1:35:A:ILE:HG23	11	0.13
(2,168)	1:34:A:LEU:HA	1:108:A:PRO:HG2	11	0.13
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	7	0.13
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	10	0.13
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	4	0.13
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	5	0.13
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	17	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	9	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	9	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	9	0.13
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	9	0.13
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	9	0.13
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	9	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	9	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	9	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	9	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD11	16	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD12	16	0.13
(2,116)	1:27:A:ILE:HG21	1:35:A:ILE:HD13	16	0.13
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD11	16	0.13
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD12	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:27:A:ILE:HG22	1:35:A:ILE:HD13	16	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD11	16	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD12	16	0.13
(2,116)	1:27:A:ILE:HG23	1:35:A:ILE:HD13	16	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	2	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	2	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	2	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	8	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	8	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	8	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	18	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	18	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	18	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	20	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	20	0.13
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	20	0.13
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	2	0.13
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	2	0.13
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	2	0.13
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	2	0.13
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	2	0.13
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	2	0.13
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	2	0.13
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	2	0.13
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	2	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	1	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	1	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	1	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	2	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	2	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	2	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	3	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	3	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	3	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	4	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	4	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	4	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	9	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	9	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	9	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	10	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	10	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	13	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	13	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	13	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	19	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	19	0.13
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	19	0.13
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	6	0.13
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	6	0.13
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	6	0.13
(2,48)	1:98:A:LEU:HD11	1:63:A:LEU:HB3	18	0.13
(2,48)	1:98:A:LEU:HD12	1:63:A:LEU:HB3	18	0.13
(2,48)	1:98:A:LEU:HD13	1:63:A:LEU:HB3	18	0.13
(1,2215)	1:91:A:LYS:H	1:91:A:LYS:HG2	17	0.13
(1,2153)	1:97:A:ASN:H	1:96:A:LYS:H	3	0.13
(1,2099)	1:116:A:LYS:H	1:116:A:LYS:HE2	17	0.13
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	11	0.13
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	11	0.13
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	11	0.13
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD11	11	0.13
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD12	11	0.13
(1,1955)	1:52:A:LEU:H	1:52:A:LEU:HD13	11	0.13
(1,1842)	1:57:A:LYS:H	1:57:A:LYS:HG2	16	0.13
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD21	5	0.13
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD22	5	0.13
(1,1784)	1:74:A:VAL:H	1:73:A:LEU:HD23	5	0.13
(1,1711)	1:40:A:LYS:H	1:39:A:ARG:HD2	8	0.13
(1,1687)	1:71:A:LYS:H	1:72:A:ILE:HG13	12	0.13
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD11	2	0.13
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD12	2	0.13
(1,1610)	1:105:A:VAL:H	1:34:A:LEU:HD13	2	0.13
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG11	5	0.13
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG12	5	0.13
(1,1560)	1:94:A:ARG:H	1:100:A:VAL:HG13	5	0.13
(1,1498)	1:117:A:GLU:H	1:117:A:GLU:HG2	17	0.13
(1,1343)	1:117:A:GLU:H	1:117:A:GLU:HG3	12	0.13
(1,1343)	1:117:A:GLU:H	1:117:A:GLU:HG3	16	0.13
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD11	13	0.13
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD12	13	0.13
(1,1200)	1:107:A:SER:H	1:34:A:LEU:HD13	13	0.13
(1,1044)	1:53:A:GLU:H	1:53:A:GLU:HG2	9	0.13
(1,1042)	1:66:A:LEU:H	1:67:A:GLY:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:89:A:ILE:HG21	1:92:A:LYS:HB3	4	0.13
(1,994)	1:89:A:ILE:HG22	1:92:A:LYS:HB3	4	0.13
(1,994)	1:89:A:ILE:HG23	1:92:A:LYS:HB3	4	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	1	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	1	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	1	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD11	17	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD12	17	0.13
(1,969)	1:63:A:LEU:HB2	1:63:A:LEU:HD13	17	0.13
(1,958)	1:62:A:ILE:HA	1:62:A:ILE:HG12	18	0.13
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	3	0.13
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	3	0.13
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	3	0.13
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	17	0.13
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD11	1	0.13
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD12	1	0.13
(1,898)	1:25:A:VAL:HG11	1:115:A:ILE:HD13	1	0.13
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD11	1	0.13
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD12	1	0.13
(1,898)	1:25:A:VAL:HG12	1:115:A:ILE:HD13	1	0.13
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD11	1	0.13
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD12	1	0.13
(1,898)	1:25:A:VAL:HG13	1:115:A:ILE:HD13	1	0.13
(1,874)	1:113:A:ARG:HG2	1:113:A:ARG:HD3	15	0.13
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	15	0.13
(1,781)	1:107:A:SER:H	1:107:A:SER:HB2	2	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	3	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	3	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	3	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	14	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	14	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	14	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	15	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	15	0.13
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	15	0.13
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG21	8	0.13
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG22	8	0.13
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG23	8	0.13
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	2	0.13
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	2	0.13
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	2	0.13
(1,731)	1:103:A:ARG:HB2	1:103:A:ARG:HD3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	11	0.13
(1,684)	1:100:A:VAL:H	1:100:A:VAL:HB	8	0.13
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	2	0.13
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	15	0.13
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	8	0.13
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	11	0.13
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	11	0.13
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	11	0.13
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	15	0.13
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	15	0.13
(1,641)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	15	0.13
(1,631)	1:96:A:LYS:H	1:96:A:LYS:HB2	13	0.13
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	12	0.13
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	15	0.13
(1,504)	1:77:A:GLU:HG3	1:77:A:GLU:HA	12	0.13
(1,503)	1:77:A:GLU:H	1:77:A:GLU:HB2	17	0.13
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	5	0.13
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	5	0.13
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	5	0.13
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD11	9	0.13
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD12	9	0.13
(1,468)	1:27:A:ILE:HD11	1:75:A:LEU:HD13	9	0.13
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD11	9	0.13
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD12	9	0.13
(1,468)	1:27:A:ILE:HD12	1:75:A:LEU:HD13	9	0.13
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD11	9	0.13
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD12	9	0.13
(1,468)	1:27:A:ILE:HD13	1:75:A:LEU:HD13	9	0.13
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG11	12	0.13
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG12	12	0.13
(1,452)	1:74:A:VAL:H	1:74:A:VAL:HG13	12	0.13
(1,449)	1:26:A:LEU:HB2	1:74:A:VAL:HA	10	0.13
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD11	12	0.13
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD12	12	0.13
(1,444)	1:114:A:TRP:HB3	1:73:A:LEU:HD13	12	0.13
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD1	5	0.13
(1,433)	1:73:A:LEU:HD21	1:118:A:PHE:HD2	5	0.13
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD1	5	0.13
(1,433)	1:73:A:LEU:HD22	1:118:A:PHE:HD2	5	0.13
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD1	5	0.13
(1,433)	1:73:A:LEU:HD23	1:118:A:PHE:HD2	5	0.13
(1,402)	1:72:A:ILE:H	1:71:A:LYS:HB3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	13	0.13
(1,350)	1:66:A:LEU:H	1:66:A:LEU:HG	8	0.13
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	8	0.13
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	8	0.13
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	8	0.13
(1,294)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	2	0.13
(1,260)	1:54:A:THR:H	1:54:A:THR:HB	6	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	14	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	14	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	14	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD11	16	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD12	16	0.13
(1,257)	1:52:A:LEU:H	1:52:A:LEU:HD13	16	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	1	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	1	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	1	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	4	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	4	0.13
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	4	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD21	10	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD22	10	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD23	10	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD21	20	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD22	20	0.13
(1,220)	1:49:A:LEU:HB2	1:49:A:LEU:HD23	20	0.13
(1,151)	1:94:A:ARG:HB2	1:94:A:ARG:HA	5	0.13
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	20	0.13
(1,95)	1:34:A:LEU:HA	1:108:A:PRO:HG2	17	0.13
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	12	0.13
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	12	0.13
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	12	0.13
(1,54)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	8	0.13
(1,54)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	8	0.13
(1,54)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	8	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	14	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	14	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	14	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD11	20	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD12	20	0.13
(1,47)	1:26:A:LEU:HB2	1:26:A:LEU:HD13	20	0.13
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	5	0.13
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	13	0.13
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	19	0.13
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD21	2	0.13
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD22	2	0.13
(1,36)	1:25:A:VAL:HB	1:49:A:LEU:HD23	2	0.13
(3,1)	1:36:A:GLU:H	1:32:A:LYS:O	20	0.12
(2,2832)	1:45:A:ALA:HB1	1:120:A:GLU:H	4	0.12
(2,2832)	1:45:A:ALA:HB2	1:120:A:GLU:H	4	0.12
(2,2832)	1:45:A:ALA:HB3	1:120:A:GLU:H	4	0.12
(2,2825)	1:47:A:LEU:HD11	1:119:A:SER:H	3	0.12
(2,2825)	1:47:A:LEU:HD12	1:119:A:SER:H	3	0.12
(2,2825)	1:47:A:LEU:HD13	1:119:A:SER:H	3	0.12
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	17	0.12
(2,2803)	1:117:A:GLU:H	1:115:A:ILE:HB	9	0.12
(2,2771)	1:103:A:ARG:HB2	1:114:A:TRP:HE1	17	0.12
(2,2764)	1:111:A:ALA:HB1	1:114:A:TRP:H	16	0.12
(2,2764)	1:111:A:ALA:HB2	1:114:A:TRP:H	16	0.12
(2,2764)	1:111:A:ALA:HB3	1:114:A:TRP:H	16	0.12
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	12	0.12
(2,2736)	1:109:A:ASP:HB2	1:112:A:LYS:H	18	0.12
(2,2727)	1:105:A:VAL:HG21	1:111:A:ALA:H	20	0.12
(2,2727)	1:105:A:VAL:HG22	1:111:A:ALA:H	20	0.12
(2,2727)	1:105:A:VAL:HG23	1:111:A:ALA:H	20	0.12
(2,2726)	1:34:A:LEU:HD11	1:111:A:ALA:H	12	0.12
(2,2726)	1:34:A:LEU:HD12	1:111:A:ALA:H	12	0.12
(2,2726)	1:34:A:LEU:HD13	1:111:A:ALA:H	12	0.12
(2,2723)	1:110:A:GLU:HB2	1:111:A:ALA:H	3	0.12
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	4	0.12
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	4	0.12
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	4	0.12
(2,2713)	1:105:A:VAL:HG21	1:110:A:GLU:H	9	0.12
(2,2713)	1:105:A:VAL:HG22	1:110:A:GLU:H	9	0.12
(2,2713)	1:105:A:VAL:HG23	1:110:A:GLU:H	9	0.12
(2,2682)	1:34:A:LEU:HD11	1:105:A:VAL:H	3	0.12
(2,2682)	1:34:A:LEU:HD12	1:105:A:VAL:H	3	0.12
(2,2682)	1:34:A:LEU:HD13	1:105:A:VAL:H	3	0.12
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	1	0.12
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	8	0.12
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	14	0.12
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	16	0.12
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	20	0.12
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2661)	1:103:A:ARG:H	1:102:A:ILE:HA	10	0.12
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	3	0.12
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	6	0.12
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	17	0.12
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	19	0.12
(2,2649)	1:100:A:VAL:HG11	1:101:A:ARG:H	16	0.12
(2,2649)	1:100:A:VAL:HG12	1:101:A:ARG:H	16	0.12
(2,2649)	1:100:A:VAL:HG13	1:101:A:ARG:H	16	0.12
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	7	0.12
(2,2645)	1:73:A:LEU:HA	1:101:A:ARG:H	8	0.12
(2,2632)	1:96:A:LYS:HG2	1:97:A:ASN:H	20	0.12
(2,2630)	1:97:A:ASN:H	1:95:A:LYS:HB2	11	0.12
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	10	0.12
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	11	0.12
(2,2601)	1:93:A:ALA:H	1:91:A:LYS:HA	9	0.12
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	5	0.12
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	4	0.12
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	4	0.12
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	4	0.12
(2,2595)	1:89:A:ILE:HD11	1:91:A:LYS:H	15	0.12
(2,2595)	1:89:A:ILE:HD12	1:91:A:LYS:H	15	0.12
(2,2595)	1:89:A:ILE:HD13	1:91:A:LYS:H	15	0.12
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	16	0.12
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	16	0.12
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	16	0.12
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	4	0.12
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	4	0.12
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	4	0.12
(2,2591)	1:91:A:LYS:H	1:90:A:GLU:HG3	12	0.12
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	3	0.12
(2,2558)	1:86:A:LYS:H	1:85:A:VAL:HB	12	0.12
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	19	0.12
(2,2536)	1:86:A:LYS:HB2	1:83:A:ASP:H	9	0.12
(2,2529)	1:81:A:ASP:HA	1:83:A:ASP:H	3	0.12
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	7	0.12
(2,2513)	1:80:A:LYS:HA	1:81:A:ASP:H	11	0.12
(2,2496)	1:78:A:ASP:H	1:76:A:LEU:HB2	7	0.12
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	7	0.12
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	10	0.12
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	12	0.12
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB1	2	0.12
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB2	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2454)	1:77:A:GLU:H	1:82:A:ALA:HB3	2	0.12
(2,2439)	1:74:A:VAL:HA	1:75:A:LEU:H	12	0.12
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	12	0.12
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	3	0.12
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	3	0.12
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	3	0.12
(2,2419)	1:25:A:VAL:HA	1:73:A:LEU:H	14	0.12
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	8	0.12
(2,2405)	1:22:A:GLY:HA2	1:71:A:LYS:H	20	0.12
(2,2396)	1:70:A:VAL:H	1:69:A:PRO:HD2	7	0.12
(2,2394)	1:67:A:GLY:H	1:70:A:VAL:HB	13	0.12
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	13	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	1	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	4	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	5	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	6	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	12	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	15	0.12
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	17	0.12
(2,2347)	1:28:A:TRP:HA	1:52:A:LEU:H	17	0.12
(2,2329)	1:49:A:LEU:H	1:48:A:TYR:HB3	19	0.12
(2,2326)	1:48:A:TYR:HA	1:49:A:LEU:H	13	0.12
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	15	0.12
(2,2319)	1:42:A:ALA:HA	1:47:A:LEU:H	12	0.12
(2,2309)	1:47:A:LEU:HD21	1:45:A:ALA:H	11	0.12
(2,2309)	1:47:A:LEU:HD22	1:45:A:ALA:H	11	0.12
(2,2309)	1:47:A:LEU:HD23	1:45:A:ALA:H	11	0.12
(2,2304)	1:43:A:GLU:H	1:45:A:ALA:H	12	0.12
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	1	0.12
(2,2255)	1:49:A:LEU:HB2	1:39:A:ARG:H	1	0.12
(2,2235)	1:27:A:ILE:HD11	1:38:A:ALA:H	9	0.12
(2,2235)	1:27:A:ILE:HD12	1:38:A:ALA:H	9	0.12
(2,2235)	1:27:A:ILE:HD13	1:38:A:ALA:H	9	0.12
(2,2234)	1:34:A:LEU:HD11	1:38:A:ALA:H	16	0.12
(2,2234)	1:34:A:LEU:HD12	1:38:A:ALA:H	16	0.12
(2,2234)	1:34:A:LEU:HD13	1:38:A:ALA:H	16	0.12
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	6	0.12
(2,2223)	1:32:A:LYS:HA	1:36:A:GLU:H	10	0.12
(2,2196)	1:33:A:LYS:HB2	1:34:A:LEU:H	17	0.12
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	7	0.12
(2,2173)	1:28:A:TRP:H	1:76:A:LEU:H	8	0.12
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE1	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2172)	1:48:A:TYR:H	1:48:A:TYR:HE2	11	0.12
(2,2167)	1:28:A:TRP:HA	1:29:A:SER:H	7	0.12
(2,2153)	1:76:A:LEU:HA	1:28:A:TRP:H	6	0.12
(2,2151)	1:88:A:GLU:HB2	1:89:A:ILE:H	10	0.12
(2,2137)	1:26:A:LEU:H	1:72:A:ILE:HA	14	0.12
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	2	0.12
(2,2130)	1:24:A:LEU:HD21	1:25:A:VAL:H	7	0.12
(2,2130)	1:24:A:LEU:HD22	1:25:A:VAL:H	7	0.12
(2,2130)	1:24:A:LEU:HD23	1:25:A:VAL:H	7	0.12
(2,2112)	1:88:A:GLU:H	1:88:A:GLU:HB2	13	0.12
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	15	0.12
(2,2103)	1:92:A:LYS:H	1:92:A:LYS:HG2	17	0.12
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	4	0.12
(2,2089)	1:96:A:LYS:HA	1:96:A:LYS:H	13	0.12
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	3	0.12
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	13	0.12
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	15	0.12
(2,2068)	1:90:A:GLU:HB2	1:90:A:GLU:H	19	0.12
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	4	0.12
(2,2067)	1:90:A:GLU:HB3	1:90:A:GLU:H	14	0.12
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	2	0.12
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	7	0.12
(2,2051)	1:120:A:GLU:HG2	1:120:A:GLU:H	1	0.12
(2,2047)	1:117:A:GLU:H	1:117:A:GLU:HG3	13	0.12
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	3	0.12
(2,2041)	1:110:A:GLU:HG3	1:110:A:GLU:H	5	0.12
(2,1998)	1:76:A:LEU:HB2	1:76:A:LEU:H	3	0.12
(2,1992)	1:61:A:ASP:H	1:61:A:ASP:HB2	12	0.12
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD21	17	0.12
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD22	17	0.12
(2,1989)	1:50:A:LEU:H	1:50:A:LEU:HD23	17	0.12
(2,1974)	1:39:A:ARG:HB2	1:39:A:ARG:H	4	0.12
(2,1974)	1:39:A:ARG:HB2	1:39:A:ARG:H	7	0.12
(2,1974)	1:39:A:ARG:HB2	1:39:A:ARG:H	10	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	4	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	6	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	9	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	11	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	13	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	14	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	15	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	17	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	18	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	19	0.12
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	20	0.12
(2,1964)	1:116:A:LYS:H	1:116:A:LYS:HB3	16	0.12
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	4	0.12
(2,1944)	1:86:A:LYS:H	1:86:A:LYS:HE3	1	0.12
(2,1934)	1:57:A:LYS:HB2	1:57:A:LYS:H	20	0.12
(2,1929)	1:44:A:LYS:HD2	1:44:A:LYS:H	16	0.12
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	4	0.12
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	5	0.12
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	10	0.12
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	13	0.12
(2,1886)	1:104:A:LYS:HG3	1:104:A:LYS:H	20	0.12
(2,1878)	1:103:A:ARG:H	1:103:A:ARG:HG3	16	0.12
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	2	0.12
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	15	0.12
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	19	0.12
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	1	0.12
(2,1864)	1:101:A:ARG:H	1:101:A:ARG:HB2	16	0.12
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	18	0.12
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	12	0.12
(2,1851)	1:97:A:ASN:H	1:97:A:ASN:HB2	18	0.12
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	6	0.12
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	6	0.12
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	6	0.12
(2,1833)	1:75:A:LEU:HD21	1:75:A:LEU:H	3	0.12
(2,1833)	1:75:A:LEU:HD22	1:75:A:LEU:H	3	0.12
(2,1833)	1:75:A:LEU:HD23	1:75:A:LEU:H	3	0.12
(2,1832)	1:75:A:LEU:HD11	1:75:A:LEU:H	19	0.12
(2,1832)	1:75:A:LEU:HD12	1:75:A:LEU:H	19	0.12
(2,1832)	1:75:A:LEU:HD13	1:75:A:LEU:H	19	0.12
(2,1831)	1:75:A:LEU:HG	1:75:A:LEU:H	9	0.12
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	1	0.12
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	2	0.12
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	2	0.12
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	2	0.12
(2,1803)	1:66:A:LEU:HB3	1:66:A:LEU:H	17	0.12
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	7	0.12
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	20	0.12
(2,1770)	1:49:A:LEU:HB3	1:49:A:LEU:H	16	0.12
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	4	0.12
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	4	0.12
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	4	0.12
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	15	0.12
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	15	0.12
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	15	0.12
(2,1749)	1:34:A:LEU:HD11	1:34:A:LEU:H	20	0.12
(2,1749)	1:34:A:LEU:HD12	1:34:A:LEU:H	20	0.12
(2,1749)	1:34:A:LEU:HD13	1:34:A:LEU:H	20	0.12
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	1	0.12
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	11	0.12
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	11	0.12
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	11	0.12
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	15	0.12
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	15	0.12
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	15	0.12
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	14	0.12
(2,1701)	1:33:A:LYS:H	1:34:A:LEU:H	4	0.12
(2,1689)	1:84:A:LYS:H	1:85:A:VAL:H	9	0.12
(2,1689)	1:84:A:LYS:H	1:85:A:VAL:H	18	0.12
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	4	0.12
(2,1688)	1:84:A:LYS:H	1:85:A:VAL:H	17	0.12
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	6	0.12
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	8	0.12
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	9	0.12
(2,1650)	1:86:A:LYS:H	1:85:A:VAL:H	18	0.12
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	13	0.12
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	19	0.12
(2,1632)	1:90:A:GLU:H	1:91:A:LYS:H	8	0.12
(2,1623)	1:28:A:TRP:H	1:29:A:SER:H	5	0.12
(2,1596)	1:35:A:ILE:H	1:36:A:GLU:H	7	0.12
(2,1541)	1:43:A:GLU:HA	1:43:A:GLU:HG2	5	0.12
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	14	0.12
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	14	0.12
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	14	0.12
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD11	7	0.12
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD12	7	0.12
(2,1475)	1:59:A:ILE:HA	1:62:A:ILE:HD13	7	0.12
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	7	0.12
(2,1462)	1:59:A:ILE:HA	1:61:A:ASP:H	19	0.12
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	11	0.12
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	11	0.12
(2,1410)	1:73:A:LEU:HD11	1:118:A:PHE:HA	8	0.12
(2,1410)	1:73:A:LEU:HD12	1:118:A:PHE:HA	8	0.12
(2,1410)	1:73:A:LEU:HD13	1:118:A:PHE:HA	8	0.12
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	9	0.12
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	14	0.12
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	18	0.12
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG21	2	0.12
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG22	2	0.12
(2,1389)	1:41:A:MET:HA	1:115:A:ILE:HG23	2	0.12
(2,1325)	1:113:A:ARG:HA	1:116:A:LYS:H	6	0.12
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	7	0.12
(2,1323)	1:112:A:LYS:HA	1:112:A:LYS:HG3	18	0.12
(2,1300)	1:105:A:VAL:HG11	1:111:A:ALA:HA	8	0.12
(2,1300)	1:105:A:VAL:HG12	1:111:A:ALA:HA	8	0.12
(2,1300)	1:105:A:VAL:HG13	1:111:A:ALA:HA	8	0.12
(2,1275)	1:113:A:ARG:HB2	1:110:A:GLU:HA	16	0.12
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	11	0.12
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	6	0.12
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	15	0.12
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	17	0.12
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	4	0.12
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	7	0.12
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	9	0.12
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	5	0.12
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	5	0.12
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	5	0.12
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	5	0.12
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	5	0.12
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	5	0.12
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	5	0.12
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	5	0.12
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	5	0.12
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	8	0.12
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	14	0.12
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	3	0.12
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	11	0.12
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	17	0.12
(2,1164)	1:105:A:VAL:HG11	1:104:A:LYS:HA	13	0.12
(2,1164)	1:105:A:VAL:HG12	1:104:A:LYS:HA	13	0.12
(2,1164)	1:105:A:VAL:HG13	1:104:A:LYS:HA	13	0.12
(2,1146)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1129)	1:102:A:ILE:HG21	1:86:A:LYS:HE2	19	0.12
(2,1129)	1:102:A:ILE:HG22	1:86:A:LYS:HE2	19	0.12
(2,1129)	1:102:A:ILE:HG23	1:86:A:LYS:HE2	19	0.12
(2,1121)	1:74:A:VAL:HB	1:102:A:ILE:HG13	12	0.12
(2,1113)	1:102:A:ILE:HD11	1:74:A:VAL:HB	1	0.12
(2,1113)	1:102:A:ILE:HD12	1:74:A:VAL:HB	1	0.12
(2,1113)	1:102:A:ILE:HD13	1:74:A:VAL:HB	1	0.12
(2,1019)	1:100:A:VAL:HG11	1:99:A:PRO:HA	1	0.12
(2,1019)	1:100:A:VAL:HG12	1:99:A:PRO:HA	1	0.12
(2,1019)	1:100:A:VAL:HG13	1:99:A:PRO:HA	1	0.12
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	19	0.12
(2,944)	1:90:A:GLU:HA	1:90:A:GLU:HG3	3	0.12
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	6	0.12
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	20	0.12
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	20	0.12
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	20	0.12
(2,885)	1:85:A:VAL:HG21	1:28:A:TRP:HD1	20	0.12
(2,885)	1:85:A:VAL:HG22	1:28:A:TRP:HD1	20	0.12
(2,885)	1:85:A:VAL:HG23	1:28:A:TRP:HD1	20	0.12
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	3	0.12
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	3	0.12
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	3	0.12
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	13	0.12
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	13	0.12
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	13	0.12
(2,842)	1:83:A:ASP:HA	1:86:A:LYS:HB3	17	0.12
(2,825)	1:82:A:ALA:HA	1:85:A:VAL:H	3	0.12
(2,813)	1:24:A:LEU:HB2	1:48:A:TYR:HB2	9	0.12
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	4	0.12
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	3	0.12
(2,791)	1:77:A:GLU:HA	1:104:A:LYS:HA	14	0.12
(2,774)	1:76:A:LEU:HA	1:28:A:TRP:H	13	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	1	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	3	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	4	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	6	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	7	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	11	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	15	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	17	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	18	0.12
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,773)	1:76:A:LEU:HA	1:76:A:LEU:H	20	0.12
(2,763)	1:75:A:LEU:HD21	1:76:A:LEU:H	8	0.12
(2,763)	1:75:A:LEU:HD22	1:76:A:LEU:H	8	0.12
(2,763)	1:75:A:LEU:HD23	1:76:A:LEU:H	8	0.12
(2,759)	1:75:A:LEU:HD21	1:74:A:VAL:HA	1	0.12
(2,759)	1:75:A:LEU:HD22	1:74:A:VAL:HA	1	0.12
(2,759)	1:75:A:LEU:HD23	1:74:A:VAL:HA	1	0.12
(2,758)	1:75:A:LEU:HD21	1:111:A:ALA:HA	12	0.12
(2,758)	1:75:A:LEU:HD22	1:111:A:ALA:HA	12	0.12
(2,758)	1:75:A:LEU:HD23	1:111:A:ALA:HA	12	0.12
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG11	6	0.12
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG12	6	0.12
(2,725)	1:89:A:ILE:HA	1:74:A:VAL:HG13	6	0.12
(2,685)	1:73:A:LEU:HD21	1:102:A:ILE:HA	20	0.12
(2,685)	1:73:A:LEU:HD22	1:102:A:ILE:HA	20	0.12
(2,685)	1:73:A:LEU:HD23	1:102:A:ILE:HA	20	0.12
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	2	0.12
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	2	0.12
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	2	0.12
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	3	0.12
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	3	0.12
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	3	0.12
(2,621)	1:70:A:VAL:HG11	1:63:A:LEU:HA	20	0.12
(2,621)	1:70:A:VAL:HG12	1:63:A:LEU:HA	20	0.12
(2,621)	1:70:A:VAL:HG13	1:63:A:LEU:HA	20	0.12
(2,611)	1:70:A:VAL:HG21	1:71:A:LYS:H	9	0.12
(2,611)	1:70:A:VAL:HG22	1:71:A:LYS:H	9	0.12
(2,611)	1:70:A:VAL:HG23	1:71:A:LYS:H	9	0.12
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	7	0.12
(2,597)	1:22:A:GLY:HA2	1:70:A:VAL:HA	4	0.12
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	8	0.12
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	10	0.12
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	10	0.12
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	11	0.12
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	13	0.12
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	14	0.12
(2,568)	1:68:A:PRO:HB3	1:70:A:VAL:H	6	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	1	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	6	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	10	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	12	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	18	0.12
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	19	0.12
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	10	0.12
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	8	0.12
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	16	0.12
(2,474)	1:62:A:ILE:HA	1:61:A:ASP:HB3	10	0.12
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	8	0.12
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	16	0.12
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	16	0.12
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	16	0.12
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	16	0.12
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	16	0.12
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	16	0.12
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	16	0.12
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	16	0.12
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	16	0.12
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	16	0.12
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	3	0.12
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	8	0.12
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	19	0.12
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	14	0.12
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	1	0.12
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	1	0.12
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	1	0.12
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	17	0.12
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	17	0.12
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	17	0.12
(2,372)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	11	0.12
(2,372)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	11	0.12
(2,372)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	11	0.12
(2,305)	1:45:A:ALA:HA	1:46:A:ASN:H	6	0.12
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	15	0.12
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	15	0.12
(2,281)	1:47:A:LEU:HB2	1:42:A:ALA:HA	18	0.12
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	18	0.12
(2,266)	1:77:A:GLU:HA	1:77:A:GLU:HG2	14	0.12
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD21	11	0.12
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD22	11	0.12
(2,242)	1:38:A:ALA:HB1	1:49:A:LEU:HD23	11	0.12
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD21	11	0.12
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD22	11	0.12
(2,242)	1:38:A:ALA:HB2	1:49:A:LEU:HD23	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD21	11	0.12
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD22	11	0.12
(2,242)	1:38:A:ALA:HB3	1:49:A:LEU:HD23	11	0.12
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD11	3	0.12
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD12	3	0.12
(2,235)	1:38:A:ALA:HA	1:115:A:ILE:HD13	3	0.12
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	3	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	1	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	9	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	10	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	12	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	15	0.12
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	19	0.12
(2,209)	1:35:A:ILE:HD11	1:51:A:THR:HG1	14	0.12
(2,209)	1:35:A:ILE:HD12	1:51:A:THR:HG1	14	0.12
(2,209)	1:35:A:ILE:HD13	1:51:A:THR:HG1	14	0.12
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG11	3	0.12
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG12	3	0.12
(2,186)	1:34:A:LEU:HD11	1:105:A:VAL:HG13	3	0.12
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG11	3	0.12
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG12	3	0.12
(2,186)	1:34:A:LEU:HD12	1:105:A:VAL:HG13	3	0.12
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG11	3	0.12
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG12	3	0.12
(2,186)	1:34:A:LEU:HD13	1:105:A:VAL:HG13	3	0.12
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	4	0.12
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	1	0.12
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	4	0.12
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	11	0.12
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	13	0.12
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	17	0.12
(2,154)	1:32:A:LYS:HA	1:32:A:LYS:HG2	18	0.12
(2,152)	1:32:A:LYS:HA	1:32:A:LYS:HB2	12	0.12
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	9	0.12
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD11	9	0.12
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD12	9	0.12
(2,136)	1:29:A:SER:HB2	1:35:A:ILE:HD13	9	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	1	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	1	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	1	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	3	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	3	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	4	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	4	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	4	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	5	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	5	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	5	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	6	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	6	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	6	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	7	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	7	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	7	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	9	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	9	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	9	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	10	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	10	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	10	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	12	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	12	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	12	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	13	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	13	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	13	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	15	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	15	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	15	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	16	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	16	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	16	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	17	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	17	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	17	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG21	19	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG22	19	0.12
(2,103)	1:27:A:ILE:HA	1:27:A:ILE:HG23	19	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	5	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	5	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	5	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	6	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	6	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	12	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	12	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	12	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	15	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	15	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	15	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD21	17	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD22	17	0.12
(2,98)	1:26:A:LEU:HB2	1:26:A:LEU:HD23	17	0.12
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG11	18	0.12
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG12	18	0.12
(2,92)	1:76:A:LEU:HD11	1:85:A:VAL:HG13	18	0.12
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG11	18	0.12
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG12	18	0.12
(2,92)	1:76:A:LEU:HD12	1:85:A:VAL:HG13	18	0.12
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG11	18	0.12
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG12	18	0.12
(2,92)	1:76:A:LEU:HD13	1:85:A:VAL:HG13	18	0.12
(2,57)	1:24:A:LEU:HD11	1:25:A:VAL:HA	1	0.12
(2,57)	1:24:A:LEU:HD12	1:25:A:VAL:HA	1	0.12
(2,57)	1:24:A:LEU:HD13	1:25:A:VAL:HA	1	0.12
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG11	12	0.12
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG12	12	0.12
(2,46)	1:66:A:LEU:HD21	1:70:A:VAL:HG13	12	0.12
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG11	12	0.12
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG12	12	0.12
(2,46)	1:66:A:LEU:HD22	1:70:A:VAL:HG13	12	0.12
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG11	12	0.12
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG12	12	0.12
(2,46)	1:66:A:LEU:HD23	1:70:A:VAL:HG13	12	0.12
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD11	10	0.12
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD12	10	0.12
(2,21)	1:38:A:ALA:HB1	1:49:A:LEU:HD13	10	0.12
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD11	10	0.12
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD12	10	0.12
(2,21)	1:38:A:ALA:HB2	1:49:A:LEU:HD13	10	0.12
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD11	10	0.12
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD12	10	0.12
(2,21)	1:38:A:ALA:HB3	1:49:A:LEU:HD13	10	0.12
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	11	0.12
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	11	0.12
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	11	0.12
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	11	0.12
(2,19)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	11	0.12
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	11	0.12
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	11	0.12
(2,19)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	11	0.12
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD11	18	0.12
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD12	18	0.12
(1,2197)	1:78:A:ASP:H	1:34:A:LEU:HD13	18	0.12
(1,2080)	1:28:A:TRP:H	1:75:A:LEU:HB2	18	0.12
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD11	7	0.12
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD12	7	0.12
(1,2050)	1:61:A:ASP:H	1:63:A:LEU:HD13	7	0.12
(1,2014)	1:53:A:GLU:HB3	1:54:A:THR:H	11	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	5	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	5	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	5	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	13	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	13	0.12
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	13	0.12
(1,1829)	1:66:A:LEU:H	1:66:A:LEU:HG	7	0.12
(1,1724)	1:46:A:ASN:H	1:47:A:LEU:HG	9	0.12
(1,1698)	1:62:A:ILE:H	1:61:A:ASP:HB3	5	0.12
(1,1674)	1:87:A:LYS:H	1:87:A:LYS:HG2	6	0.12
(1,1506)	1:70:A:VAL:H	1:70:A:VAL:HG11	13	0.12
(1,1506)	1:70:A:VAL:H	1:70:A:VAL:HG12	13	0.12
(1,1506)	1:70:A:VAL:H	1:70:A:VAL:HG13	13	0.12
(1,1371)	1:87:A:LYS:H	1:87:A:LYS:HG3	17	0.12
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	7	0.12
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	17	0.12
(1,1191)	1:116:A:LYS:H	1:117:A:GLU:HG3	3	0.12
(1,968)	1:63:A:LEU:HD11	1:98:A:LEU:HB2	14	0.12
(1,968)	1:63:A:LEU:HD12	1:98:A:LEU:HB2	14	0.12
(1,968)	1:63:A:LEU:HD13	1:98:A:LEU:HB2	14	0.12
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	7	0.12
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	7	0.12
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	7	0.12
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	10	0.12
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	10	0.12
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	10	0.12
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	11	0.12
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	11	0.12
(1,874)	1:113:A:ARG:HG2	1:113:A:ARG:HD3	8	0.12
(1,787)	1:27:A:ILE:HD11	1:29:A:SER:HB2	17	0.12
(1,787)	1:27:A:ILE:HD12	1:29:A:SER:HB2	17	0.12
(1,787)	1:27:A:ILE:HD13	1:29:A:SER:HB2	17	0.12
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	7	0.12
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	7	0.12
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	7	0.12
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	12	0.12
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	12	0.12
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	12	0.12
(1,706)	1:101:A:ARG:HG2	1:101:A:ARG:HD2	18	0.12
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG11	8	0.12
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG12	8	0.12
(1,687)	1:101:A:ARG:H	1:100:A:VAL:HG13	8	0.12
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	3	0.12
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	18	0.12
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD21	17	0.12
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD22	17	0.12
(1,646)	1:98:A:LEU:HB3	1:98:A:LEU:HD23	17	0.12
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	5	0.12
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	17	0.12
(1,548)	1:85:A:VAL:H	1:84:A:LYS:HB2	16	0.12
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	5	0.12
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	16	0.12
(1,506)	1:79:A:THR:HG1	1:77:A:GLU:HG2	6	0.12
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD21	12	0.12
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD22	12	0.12
(1,494)	1:28:A:TRP:H	1:76:A:LEU:HD23	12	0.12
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD11	8	0.12
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD12	8	0.12
(1,479)	1:75:A:LEU:HG	1:73:A:LEU:HD13	8	0.12
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD21	6	0.12
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD22	6	0.12
(1,478)	1:75:A:LEU:H	1:75:A:LEU:HD23	6	0.12
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	20	0.12
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	20	0.12
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	20	0.12
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD21	10	0.12
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD22	10	0.12
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:63:A:LEU:HA	1:70:A:VAL:HG21	17	0.12
(1,388)	1:63:A:LEU:HA	1:70:A:VAL:HG22	17	0.12
(1,388)	1:63:A:LEU:HA	1:70:A:VAL:HG23	17	0.12
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	1	0.12
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	6	0.12
(1,372)	1:69:A:PRO:HD2	1:69:A:PRO:HB2	15	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	18	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	18	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	18	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	20	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	20	0.12
(1,349)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	20	0.12
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD11	18	0.12
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD12	18	0.12
(1,326)	1:63:A:LEU:HA	1:63:A:LEU:HD13	18	0.12
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	8	0.12
(1,219)	1:49:A:LEU:HB3	1:49:A:LEU:HG	5	0.12
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	10	0.12
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	4	0.12
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	18	0.12
(1,25)	1:24:A:LEU:HB2	1:72:A:ILE:HG13	14	0.12
(3,1)	1:36:A:GLU:H	1:32:A:LYS:O	4	0.11
(3,1)	1:36:A:GLU:H	1:32:A:LYS:O	10	0.11
(2,2840)	1:120:A:GLU:HB3	1:121:A:GLU:H	1	0.11
(2,2833)	1:47:A:LEU:HD11	1:120:A:GLU:H	12	0.11
(2,2833)	1:47:A:LEU:HD12	1:120:A:GLU:H	12	0.11
(2,2833)	1:47:A:LEU:HD13	1:120:A:GLU:H	12	0.11
(2,2821)	1:120:A:GLU:HG3	1:119:A:SER:H	17	0.11
(2,2813)	1:73:A:LEU:HB2	1:118:A:PHE:H	20	0.11
(2,2811)	1:117:A:GLU:HB3	1:118:A:PHE:H	2	0.11
(2,2809)	1:117:A:GLU:HG3	1:118:A:PHE:H	10	0.11
(2,2805)	1:117:A:GLU:H	1:116:A:LYS:HG3	18	0.11
(2,2802)	1:117:A:GLU:H	1:116:A:LYS:HB2	15	0.11
(2,2792)	1:117:A:GLU:HG3	1:116:A:LYS:H	8	0.11
(2,2783)	1:38:A:ALA:HB1	1:115:A:ILE:H	9	0.11
(2,2783)	1:38:A:ALA:HB2	1:115:A:ILE:H	9	0.11
(2,2783)	1:38:A:ALA:HB3	1:115:A:ILE:H	9	0.11
(2,2781)	1:115:A:ILE:H	1:113:A:ARG:HG2	19	0.11
(2,2780)	1:115:A:ILE:H	1:116:A:LYS:HB3	15	0.11
(2,2770)	1:73:A:LEU:HD11	1:114:A:TRP:H	14	0.11
(2,2770)	1:73:A:LEU:HD12	1:114:A:TRP:H	14	0.11
(2,2770)	1:73:A:LEU:HD13	1:114:A:TRP:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2762)	1:113:A:ARG:HB3	1:114:A:TRP:H	4	0.11
(2,2739)	1:113:A:ARG:HB3	1:112:A:LYS:H	5	0.11
(2,2720)	1:111:A:ALA:H	1:109:A:ASP:HB2	20	0.11
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	3	0.11
(2,2675)	1:104:A:LYS:HA	1:105:A:VAL:H	1	0.11
(2,2673)	1:76:A:LEU:H	1:105:A:VAL:H	2	0.11
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	3	0.11
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	11	0.11
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	13	0.11
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	9	0.11
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	9	0.11
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	9	0.11
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	1	0.11
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	5	0.11
(2,2647)	1:100:A:VAL:HA	1:101:A:ARG:H	13	0.11
(2,2644)	1:93:A:ALA:HB1	1:100:A:VAL:H	16	0.11
(2,2644)	1:93:A:ALA:HB2	1:100:A:VAL:H	16	0.11
(2,2644)	1:93:A:ALA:HB3	1:100:A:VAL:H	16	0.11
(2,2634)	1:96:A:LYS:H	1:98:A:LEU:H	9	0.11
(2,2627)	1:97:A:ASN:H	1:95:A:LYS:H	5	0.11
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	8	0.11
(2,2600)	1:92:A:LYS:H	1:93:A:ALA:H	1	0.11
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	11	0.11
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	11	0.11
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	11	0.11
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	5	0.11
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	5	0.11
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	5	0.11
(2,2583)	1:90:A:GLU:H	1:89:A:ILE:HB	1	0.11
(2,2570)	1:76:A:LEU:HD21	1:87:A:LYS:H	9	0.11
(2,2570)	1:76:A:LEU:HD22	1:87:A:LYS:H	9	0.11
(2,2570)	1:76:A:LEU:HD23	1:87:A:LYS:H	9	0.11
(2,2567)	1:87:A:LYS:H	1:86:A:LYS:HB3	13	0.11
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	2	0.11
(2,2525)	1:82:A:ALA:H	1:85:A:VAL:HB	6	0.11
(2,2519)	1:82:A:ALA:H	1:28:A:TRP:HE3	20	0.11
(2,2493)	1:78:A:ASP:H	1:77:A:GLU:HG2	11	0.11
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	14	0.11
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	19	0.11
(2,2475)	1:110:A:GLU:HA	1:114:A:TRP:HE1	3	0.11
(2,2467)	1:75:A:LEU:HD21	1:114:A:TRP:HE1	10	0.11
(2,2467)	1:75:A:LEU:HD22	1:114:A:TRP:HE1	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2467)	1:75:A:LEU:HD23	1:114:A:TRP:HE1	10	0.11
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	13	0.11
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	10	0.11
(2,2447)	1:76:A:LEU:H	1:104:A:LYS:HG3	12	0.11
(2,2438)	1:27:A:ILE:HA	1:75:A:LEU:H	7	0.11
(2,2433)	1:74:A:VAL:H	1:101:A:ARG:HB2	20	0.11
(2,2432)	1:72:A:ILE:HG21	1:74:A:VAL:H	9	0.11
(2,2432)	1:72:A:ILE:HG22	1:74:A:VAL:H	9	0.11
(2,2432)	1:72:A:ILE:HG23	1:74:A:VAL:H	9	0.11
(2,2428)	1:72:A:ILE:HA	1:74:A:VAL:H	6	0.11
(2,2422)	1:25:A:VAL:HG11	1:73:A:LEU:H	18	0.11
(2,2422)	1:25:A:VAL:HG12	1:73:A:LEU:H	18	0.11
(2,2422)	1:25:A:VAL:HG13	1:73:A:LEU:H	18	0.11
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	17	0.11
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	2	0.11
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	2	0.11
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	2	0.11
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	2	0.11
(2,2410)	1:70:A:VAL:HG11	1:71:A:LYS:H	14	0.11
(2,2410)	1:70:A:VAL:HG12	1:71:A:LYS:H	14	0.11
(2,2410)	1:70:A:VAL:HG13	1:71:A:LYS:H	14	0.11
(2,2403)	1:71:A:LYS:H	1:70:A:VAL:HA	17	0.11
(2,2402)	1:23:A:LEU:HA	1:71:A:LYS:H	11	0.11
(2,2391)	1:66:A:LEU:HB2	1:67:A:GLY:H	8	0.11
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	5	0.11
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	5	0.11
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	5	0.11
(2,2389)	1:70:A:VAL:HG21	1:67:A:GLY:H	16	0.11
(2,2389)	1:70:A:VAL:HG22	1:67:A:GLY:H	16	0.11
(2,2389)	1:70:A:VAL:HG23	1:67:A:GLY:H	16	0.11
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	18	0.11
(2,2380)	1:63:A:LEU:HB3	1:64:A:LYS:H	20	0.11
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	3	0.11
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	14	0.11
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	18	0.11
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	20	0.11
(2,2326)	1:48:A:TYR:HA	1:49:A:LEU:H	4	0.11
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	4	0.11
(2,2320)	1:47:A:LEU:H	1:45:A:ALA:HA	19	0.11
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	5	0.11
(2,2284)	1:41:A:MET:HB3	1:42:A:ALA:H	6	0.11
(2,2273)	1:40:A:LYS:HG3	1:41:A:MET:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2225)	1:36:A:GLU:HG3	1:36:A:GLU:H	15	0.11
(2,2200)	1:37:A:GLU:HB3	1:34:A:LEU:H	19	0.11
(2,2199)	1:34:A:LEU:H	1:108:A:PRO:HB2	15	0.11
(2,2186)	1:77:A:GLU:HB2	1:31:A:ASP:H	12	0.11
(2,2184)	1:34:A:LEU:HB2	1:31:A:ASP:H	15	0.11
(2,2145)	1:26:A:LEU:HA	1:27:A:ILE:H	5	0.11
(2,2137)	1:26:A:LEU:H	1:72:A:ILE:HA	11	0.11
(2,2136)	1:26:A:LEU:H	1:74:A:VAL:HA	12	0.11
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	8	0.11
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	18	0.11
(2,2131)	1:49:A:LEU:HB2	1:25:A:VAL:H	19	0.11
(2,2121)	1:23:A:LEU:HD11	1:24:A:LEU:H	20	0.11
(2,2121)	1:23:A:LEU:HD12	1:24:A:LEU:H	20	0.11
(2,2121)	1:23:A:LEU:HD13	1:24:A:LEU:H	20	0.11
(2,2108)	1:55:A:ASP:HB2	1:55:A:ASP:H	7	0.11
(2,2105)	1:92:A:LYS:HE2	1:92:A:LYS:H	4	0.11
(2,2100)	1:87:A:LYS:H	1:87:A:LYS:HE2	20	0.11
(2,2095)	1:87:A:LYS:HG2	1:87:A:LYS:H	20	0.11
(2,2088)	1:95:A:LYS:H	1:95:A:LYS:HE2	7	0.11
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	10	0.11
(2,2071)	1:77:A:GLU:HA	1:77:A:GLU:H	20	0.11
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	3	0.11
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	5	0.11
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	14	0.11
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	20	0.11
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	2	0.11
(2,2057)	1:37:A:GLU:HG2	1:37:A:GLU:H	11	0.11
(2,2048)	1:120:A:GLU:HB2	1:120:A:GLU:H	13	0.11
(2,2045)	1:117:A:GLU:H	1:117:A:GLU:HB3	1	0.11
(2,2030)	1:64:A:LYS:HB2	1:64:A:LYS:H	16	0.11
(2,2019)	1:33:A:LYS:HD3	1:33:A:LYS:H	1	0.11
(2,2018)	1:33:A:LYS:HD2	1:33:A:LYS:H	11	0.11
(2,1998)	1:76:A:LEU:HB2	1:76:A:LEU:H	20	0.11
(2,1981)	1:41:A:MET:HG3	1:41:A:MET:H	17	0.11
(2,1974)	1:39:A:ARG:HB2	1:39:A:ARG:H	20	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	2	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	3	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	5	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	8	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	10	0.11
(2,1971)	1:29:A:SER:HA	1:29:A:SER:H	12	0.11
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1968)	1:116:A:LYS:H	1:116:A:LYS:HD2	20	0.11
(2,1964)	1:116:A:LYS:H	1:116:A:LYS:HB3	11	0.11
(2,1960)	1:112:A:LYS:HE3	1:112:A:LYS:H	1	0.11
(2,1959)	1:112:A:LYS:HD2	1:112:A:LYS:H	12	0.11
(2,1924)	1:32:A:LYS:HG2	1:32:A:LYS:H	1	0.11
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	15	0.11
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	9	0.11
(2,1906)	1:114:A:TRP:HB2	1:114:A:TRP:H	15	0.11
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	5	0.11
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	10	0.11
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	12	0.11
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	18	0.11
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	5	0.11
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	5	0.11
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	5	0.11
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	10	0.11
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	10	0.11
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	10	0.11
(2,1891)	1:105:A:VAL:HG21	1:105:A:VAL:H	15	0.11
(2,1891)	1:105:A:VAL:HG22	1:105:A:VAL:H	15	0.11
(2,1891)	1:105:A:VAL:HG23	1:105:A:VAL:H	15	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	1	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	3	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	6	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	9	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	11	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	14	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	15	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	16	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	17	0.11
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	19	0.11
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	5	0.11
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	7	0.11
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	11	0.11
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	17	0.11
(2,1859)	1:98:A:LEU:HD11	1:98:A:LEU:H	8	0.11
(2,1859)	1:98:A:LEU:HD12	1:98:A:LEU:H	8	0.11
(2,1859)	1:98:A:LEU:HD13	1:98:A:LEU:H	8	0.11
(2,1856)	1:98:A:LEU:HB3	1:98:A:LEU:H	13	0.11
(2,1849)	1:89:A:ILE:HG21	1:89:A:ILE:H	5	0.11
(2,1849)	1:89:A:ILE:HG22	1:89:A:ILE:H	5	0.11
(2,1849)	1:89:A:ILE:HG23	1:89:A:ILE:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	14	0.11
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	14	0.11
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	14	0.11
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	15	0.11
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	15	0.11
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	15	0.11
(2,1835)	1:78:A:ASP:H	1:78:A:ASP:HB3	13	0.11
(2,1833)	1:75:A:LEU:HD21	1:75:A:LEU:H	19	0.11
(2,1833)	1:75:A:LEU:HD22	1:75:A:LEU:H	19	0.11
(2,1833)	1:75:A:LEU:HD23	1:75:A:LEU:H	19	0.11
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	4	0.11
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	5	0.11
(2,1817)	1:71:A:LYS:H	1:71:A:LYS:HG3	6	0.11
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	19	0.11
(2,1810)	1:70:A:VAL:H	1:70:A:VAL:HB	20	0.11
(2,1779)	1:52:A:LEU:H	1:52:A:LEU:HB3	12	0.11
(2,1774)	1:49:A:LEU:HA	1:50:A:LEU:H	11	0.11
(2,1748)	1:34:A:LEU:HG	1:34:A:LEU:H	4	0.11
(2,1737)	1:28:A:TRP:HB3	1:28:A:TRP:H	14	0.11
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	5	0.11
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	8	0.11
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	9	0.11
(2,1721)	1:24:A:LEU:HD21	1:24:A:LEU:H	9	0.11
(2,1721)	1:24:A:LEU:HD22	1:24:A:LEU:H	9	0.11
(2,1721)	1:24:A:LEU:HD23	1:24:A:LEU:H	9	0.11
(2,1720)	1:24:A:LEU:HD11	1:24:A:LEU:H	6	0.11
(2,1720)	1:24:A:LEU:HD12	1:24:A:LEU:H	6	0.11
(2,1720)	1:24:A:LEU:HD13	1:24:A:LEU:H	6	0.11
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	10	0.11
(2,1712)	1:23:A:LEU:HB2	1:23:A:LEU:H	11	0.11
(2,1707)	1:117:A:GLU:H	1:118:A:PHE:H	1	0.11
(2,1706)	1:117:A:GLU:H	1:118:A:PHE:H	18	0.11
(2,1701)	1:33:A:LYS:H	1:34:A:LEU:H	1	0.11
(2,1649)	1:86:A:LYS:H	1:85:A:VAL:H	4	0.11
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	12	0.11
(2,1648)	1:120:A:GLU:H	1:119:A:SER:H	14	0.11
(2,1647)	1:120:A:GLU:H	1:119:A:SER:H	7	0.11
(2,1638)	1:94:A:ARG:H	1:95:A:LYS:H	19	0.11
(2,1629)	1:117:A:GLU:H	1:116:A:LYS:H	8	0.11
(2,1628)	1:117:A:GLU:H	1:116:A:LYS:H	8	0.11
(2,1626)	1:62:A:ILE:H	1:63:A:LEU:H	17	0.11
(2,1613)	1:87:A:LYS:H	1:86:A:LYS:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1565)	1:85:A:VAL:HG21	1:76:A:LEU:HB2	17	0.11
(2,1565)	1:85:A:VAL:HG22	1:76:A:LEU:HB2	17	0.11
(2,1565)	1:85:A:VAL:HG23	1:76:A:LEU:HB2	17	0.11
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	9	0.11
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	2	0.11
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	5	0.11
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	6	0.11
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	7	0.11
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	15	0.11
(2,1508)	1:24:A:LEU:HD11	1:50:A:LEU:HB2	6	0.11
(2,1508)	1:24:A:LEU:HD12	1:50:A:LEU:HB2	6	0.11
(2,1508)	1:24:A:LEU:HD13	1:50:A:LEU:HB2	6	0.11
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG11	7	0.11
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG12	7	0.11
(2,1496)	1:66:A:LEU:HD11	1:70:A:VAL:HG13	7	0.11
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG11	7	0.11
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG12	7	0.11
(2,1496)	1:66:A:LEU:HD12	1:70:A:VAL:HG13	7	0.11
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG11	7	0.11
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG12	7	0.11
(2,1496)	1:66:A:LEU:HD13	1:70:A:VAL:HG13	7	0.11
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD11	5	0.11
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD12	5	0.11
(2,1492)	1:24:A:LEU:HB3	1:63:A:LEU:HD13	5	0.11
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	4	0.11
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	4	0.11
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	4	0.11
(2,1483)	1:62:A:ILE:HG21	1:63:A:LEU:HA	13	0.11
(2,1483)	1:62:A:ILE:HG22	1:63:A:LEU:HA	13	0.11
(2,1483)	1:62:A:ILE:HG23	1:63:A:LEU:HA	13	0.11
(2,1479)	1:58:A:LYS:HA	1:62:A:ILE:HG12	9	0.11
(2,1463)	1:59:A:ILE:HA	1:62:A:ILE:HG13	5	0.11
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	7	0.11
(2,1440)	1:47:A:LEU:HD21	1:119:A:SER:HB3	12	0.11
(2,1440)	1:47:A:LEU:HD22	1:119:A:SER:HB3	12	0.11
(2,1440)	1:47:A:LEU:HD23	1:119:A:SER:HB3	12	0.11
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	17	0.11
(2,1434)	1:120:A:GLU:H	1:119:A:SER:HB3	20	0.11
(2,1413)	1:121:A:GLU:H	1:118:A:PHE:HA	14	0.11
(2,1409)	1:121:A:GLU:HG2	1:118:A:PHE:HA	2	0.11
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	2	0.11
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	8	0.11
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	15	0.11
(2,1400)	1:117:A:GLU:HB2	1:118:A:PHE:H	16	0.11
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	1	0.11
(2,1392)	1:116:A:LYS:HB3	1:116:A:LYS:HA	6	0.11
(2,1364)	1:115:A:ILE:HG13	1:115:A:ILE:HA	17	0.11
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	12	0.11
(2,1349)	1:113:A:ARG:HB3	1:113:A:ARG:HD2	17	0.11
(2,1346)	1:113:A:ARG:HB2	1:113:A:ARG:HD3	2	0.11
(2,1341)	1:113:A:ARG:HA	1:113:A:ARG:HD3	11	0.11
(2,1326)	1:113:A:ARG:HA	1:114:A:TRP:H	17	0.11
(2,1324)	1:115:A:ILE:HD11	1:112:A:LYS:HA	3	0.11
(2,1324)	1:115:A:ILE:HD12	1:112:A:LYS:HA	3	0.11
(2,1324)	1:115:A:ILE:HD13	1:112:A:LYS:HA	3	0.11
(2,1319)	1:41:A:MET:HB3	1:112:A:LYS:HA	1	0.11
(2,1269)	1:109:A:ASP:HB2	1:112:A:LYS:H	16	0.11
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	2	0.11
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	7	0.11
(2,1263)	1:108:A:PRO:HG2	1:107:A:SER:HA	15	0.11
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	1	0.11
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	2	0.11
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	12	0.11
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	16	0.11
(2,1229)	1:34:A:LEU:HD11	1:107:A:SER:HA	10	0.11
(2,1229)	1:34:A:LEU:HD12	1:107:A:SER:HA	10	0.11
(2,1229)	1:34:A:LEU:HD13	1:107:A:SER:HA	10	0.11
(2,1223)	1:106:A:THR:HA	1:106:A:THR:HB	18	0.11
(2,1209)	1:105:A:VAL:HG11	1:110:A:GLU:HG2	16	0.11
(2,1209)	1:105:A:VAL:HG12	1:110:A:GLU:HG2	16	0.11
(2,1209)	1:105:A:VAL:HG13	1:110:A:GLU:HG2	16	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	13	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	13	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	13	0.11
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	13	0.11
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	13	0.11
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	13	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	13	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	13	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	13	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG21	14	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG22	14	0.11
(2,1198)	1:111:A:ALA:HB1	1:105:A:VAL:HG23	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG21	14	0.11
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG22	14	0.11
(2,1198)	1:111:A:ALA:HB2	1:105:A:VAL:HG23	14	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG21	14	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG22	14	0.11
(2,1198)	1:111:A:ALA:HB3	1:105:A:VAL:HG23	14	0.11
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	3	0.11
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	6	0.11
(2,1165)	1:105:A:VAL:HG21	1:104:A:LYS:HA	14	0.11
(2,1165)	1:105:A:VAL:HG22	1:104:A:LYS:HA	14	0.11
(2,1165)	1:105:A:VAL:HG23	1:104:A:LYS:HA	14	0.11
(2,1151)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	17	0.11
(2,1148)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	2	0.11
(2,1020)	1:93:A:ALA:HB1	1:99:A:PRO:HA	16	0.11
(2,1020)	1:93:A:ALA:HB2	1:99:A:PRO:HA	16	0.11
(2,1020)	1:93:A:ALA:HB3	1:99:A:PRO:HA	16	0.11
(2,973)	1:94:A:ARG:HB3	1:94:A:ARG:HD2	19	0.11
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB1	11	0.11
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB2	11	0.11
(2,968)	1:94:A:ARG:HA	1:93:A:ALA:HB3	11	0.11
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	6	0.11
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	7	0.11
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	9	0.11
(2,943)	1:90:A:GLU:HA	1:90:A:GLU:HG2	2	0.11
(2,917)	1:93:A:ALA:HB1	1:89:A:ILE:HA	5	0.11
(2,917)	1:93:A:ALA:HB2	1:89:A:ILE:HA	5	0.11
(2,917)	1:93:A:ALA:HB3	1:89:A:ILE:HA	5	0.11
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	2	0.11
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	2	0.11
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	2	0.11
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	7	0.11
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	7	0.11
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	7	0.11
(2,888)	1:85:A:VAL:HG11	1:86:A:LYS:HA	20	0.11
(2,888)	1:85:A:VAL:HG12	1:86:A:LYS:HA	20	0.11
(2,888)	1:85:A:VAL:HG13	1:86:A:LYS:HA	20	0.11
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	2	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	2	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	2	0.11
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	4	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	4	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	7	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	7	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	7	0.11
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	16	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	16	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	16	0.11
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	19	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	19	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	19	0.11
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	20	0.11
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	20	0.11
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	20	0.11
(2,862)	1:88:A:GLU:HG3	1:85:A:VAL:HA	19	0.11
(2,860)	1:88:A:GLU:H	1:85:A:VAL:HA	17	0.11
(2,824)	1:82:A:ALA:HA	1:84:A:LYS:H	17	0.11
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	2	0.11
(2,818)	1:79:A:THR:HG1	1:79:A:THR:HB	12	0.11
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	1	0.11
(2,808)	1:77:A:GLU:H	1:77:A:GLU:HG2	8	0.11
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	18	0.11
(2,783)	1:76:A:LEU:HD21	1:86:A:LYS:H	20	0.11
(2,783)	1:76:A:LEU:HD22	1:86:A:LYS:H	20	0.11
(2,783)	1:76:A:LEU:HD23	1:86:A:LYS:H	20	0.11
(2,760)	1:75:A:LEU:HD21	1:75:A:LEU:HA	12	0.11
(2,760)	1:75:A:LEU:HD22	1:75:A:LEU:HA	12	0.11
(2,760)	1:75:A:LEU:HD23	1:75:A:LEU:HA	12	0.11
(2,745)	1:27:A:ILE:HA	1:75:A:LEU:HB3	5	0.11
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	1	0.11
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	1	0.11
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	1	0.11
(2,705)	1:73:A:LEU:HD11	1:114:A:TRP:HB2	10	0.11
(2,705)	1:73:A:LEU:HD12	1:114:A:TRP:HB2	10	0.11
(2,705)	1:73:A:LEU:HD13	1:114:A:TRP:HB2	10	0.11
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG21	10	0.11
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG22	10	0.11
(2,668)	1:24:A:LEU:H	1:72:A:ILE:HG23	10	0.11
(2,650)	1:24:A:LEU:HB2	1:72:A:ILE:HA	4	0.11
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	10	0.11
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	10	0.11
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	10	0.11
(2,605)	1:71:A:LYS:H	1:70:A:VAL:HB	12	0.11
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	11	0.11
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	18	0.11
(2,582)	1:69:A:PRO:HB2	1:69:A:PRO:HD2	19	0.11
(2,580)	1:68:A:PRO:HA	1:68:A:PRO:HG2	17	0.11
(2,576)	1:67:A:GLY:H	1:68:A:PRO:HD2	14	0.11
(2,565)	1:68:A:PRO:HB3	1:68:A:PRO:HG2	7	0.11
(2,543)	1:66:A:LEU:HD11	1:66:A:LEU:H	14	0.11
(2,543)	1:66:A:LEU:HD12	1:66:A:LEU:H	14	0.11
(2,543)	1:66:A:LEU:HD13	1:66:A:LEU:H	14	0.11
(2,526)	1:65:A:SER:HB3	1:65:A:SER:HA	3	0.11
(2,522)	1:87:A:LYS:HA	1:86:A:LYS:HG2	15	0.11
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD21	5	0.11
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD22	5	0.11
(2,515)	1:70:A:VAL:HG21	1:63:A:LEU:HD23	5	0.11
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD21	5	0.11
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD22	5	0.11
(2,515)	1:70:A:VAL:HG22	1:63:A:LEU:HD23	5	0.11
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD21	5	0.11
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD22	5	0.11
(2,515)	1:70:A:VAL:HG23	1:63:A:LEU:HD23	5	0.11
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	4	0.11
(2,477)	1:62:A:ILE:HA	1:62:A:ILE:HG13	20	0.11
(2,466)	1:60:A:GLU:HB2	1:60:A:GLU:HA	18	0.11
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB1	12	0.11
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB2	12	0.11
(2,463)	1:115:A:ILE:HG21	1:45:A:ALA:HB3	12	0.11
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB1	12	0.11
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB2	12	0.11
(2,463)	1:115:A:ILE:HG22	1:45:A:ALA:HB3	12	0.11
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB1	12	0.11
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB2	12	0.11
(2,463)	1:115:A:ILE:HG23	1:45:A:ALA:HB3	12	0.11
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	5	0.11
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	9	0.11
(2,441)	1:39:A:ARG:HB2	1:40:A:LYS:H	20	0.11
(2,437)	1:59:A:ILE:HD11	1:59:A:ILE:HB	20	0.11
(2,437)	1:59:A:ILE:HD12	1:59:A:ILE:HB	20	0.11
(2,437)	1:59:A:ILE:HD13	1:59:A:ILE:HB	20	0.11
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	8	0.11
(2,423)	1:57:A:LYS:HA	1:60:A:GLU:HB2	15	0.11
(2,414)	1:56:A:ASP:HB2	1:56:A:ASP:HA	4	0.11
(2,412)	1:77:A:GLU:HG3	1:78:A:ASP:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	4	0.11
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	4	0.11
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	4	0.11
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	3	0.11
(2,364)	1:51:A:THR:HG1	1:51:A:THR:HA	18	0.11
(2,315)	1:47:A:LEU:H	1:46:A:ASN:HA	16	0.11
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	8	0.11
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	19	0.11
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	19	0.11
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	20	0.11
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	1	0.11
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	9	0.11
(2,234)	1:38:A:ALA:HA	1:115:A:ILE:HG13	13	0.11
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB1	7	0.11
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB2	7	0.11
(2,233)	1:38:A:ALA:HA	1:111:A:ALA:HB3	7	0.11
(2,231)	1:38:A:ALA:HA	1:41:A:MET:H	7	0.11
(2,227)	1:43:A:GLU:HB2	1:43:A:GLU:HG2	6	0.11
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	2	0.11
(2,222)	1:36:A:GLU:HA	1:36:A:GLU:H	3	0.11
(2,173)	1:34:A:LEU:HA	1:34:A:LEU:HG	17	0.11
(2,170)	1:34:A:LEU:HA	1:37:A:GLU:HB2	6	0.11
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	5	0.11
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	8	0.11
(2,164)	1:94:A:ARG:HA	1:94:A:ARG:H	20	0.11
(2,158)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	12	0.11
(2,155)	1:64:A:LYS:HB2	1:64:A:LYS:HG2	3	0.11
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	19	0.11
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD11	11	0.11
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD12	11	0.11
(2,101)	1:23:A:LEU:HD21	1:47:A:LEU:HD13	11	0.11
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD11	11	0.11
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD12	11	0.11
(2,101)	1:23:A:LEU:HD22	1:47:A:LEU:HD13	11	0.11
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD11	11	0.11
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD12	11	0.11
(2,101)	1:23:A:LEU:HD23	1:47:A:LEU:HD13	11	0.11
(2,50)	1:98:A:LEU:HD11	1:99:A:PRO:HD2	2	0.11
(2,50)	1:98:A:LEU:HD12	1:99:A:PRO:HD2	2	0.11
(2,50)	1:98:A:LEU:HD13	1:99:A:PRO:HD2	2	0.11
(2,33)	1:24:A:LEU:HA	1:48:A:TYR:H	15	0.11
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	5	0.11
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	5	0.11
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	7	0.11
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	7	0.11
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	7	0.11
(2,28)	1:49:A:LEU:HD11	1:50:A:LEU:HA	11	0.11
(2,28)	1:49:A:LEU:HD12	1:50:A:LEU:HA	11	0.11
(2,28)	1:49:A:LEU:HD13	1:50:A:LEU:HA	11	0.11
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD11	12	0.11
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD12	12	0.11
(2,27)	1:39:A:ARG:HA	1:49:A:LEU:HD13	12	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG21	9	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG22	9	0.11
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG23	9	0.11
(1,1902)	1:40:A:LYS:H	1:40:A:LYS:HE2	11	0.11
(1,1876)	1:35:A:ILE:H	1:33:A:LYS:HB2	12	0.11
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG11	16	0.11
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG12	16	0.11
(1,1780)	1:78:A:ASP:H	1:105:A:VAL:HG13	16	0.11
(1,1542)	1:73:A:LEU:H	1:24:A:LEU:HD21	8	0.11
(1,1542)	1:73:A:LEU:H	1:24:A:LEU:HD22	8	0.11
(1,1542)	1:73:A:LEU:H	1:24:A:LEU:HD23	8	0.11
(1,1508)	1:63:A:LEU:H	1:48:A:TYR:HB2	18	0.11
(1,1498)	1:117:A:GLU:H	1:117:A:GLU:HG2	3	0.11
(1,1498)	1:117:A:GLU:H	1:117:A:GLU:HG2	10	0.11
(1,1338)	1:121:A:GLU:H	1:121:A:GLU:HG2	19	0.11
(1,1316)	1:87:A:LYS:H	1:87:A:LYS:HD2	18	0.11
(1,1260)	1:81:A:ASP:H	1:81:A:ASP:HB2	2	0.11
(1,1243)	1:111:A:ALA:H	1:112:A:LYS:HD2	13	0.11
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD11	6	0.11
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD12	6	0.11
(1,1204)	1:23:A:LEU:H	1:47:A:LEU:HD13	6	0.11
(1,1101)	1:55:A:ASP:H	1:55:A:ASP:HB3	20	0.11
(1,1097)	1:31:A:ASP:H	1:32:A:LYS:HE2	9	0.11
(1,1016)	1:60:A:GLU:HG2	1:96:A:LYS:HE2	18	0.11
(1,1015)	1:60:A:GLU:HA	1:60:A:GLU:HG2	6	0.11
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	6	0.11
(1,1012)	1:58:A:LYS:H	1:58:A:LYS:HB2	7	0.11
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD11	4	0.11
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD12	4	0.11
(1,999)	1:56:A:ASP:HB3	1:59:A:ILE:HD13	4	0.11
(1,975)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	11	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	11	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	11	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	15	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	15	0.11
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	15	0.11
(1,941)	1:120:A:GLU:HB3	1:120:A:GLU:HA	16	0.11
(1,930)	1:23:A:LEU:HD21	1:119:A:SER:HA	3	0.11
(1,930)	1:23:A:LEU:HD22	1:119:A:SER:HA	3	0.11
(1,930)	1:23:A:LEU:HD23	1:119:A:SER:HA	3	0.11
(1,924)	1:118:A:PHE:HB2	1:73:A:LEU:HD11	10	0.11
(1,924)	1:118:A:PHE:HB2	1:73:A:LEU:HD12	10	0.11
(1,924)	1:118:A:PHE:HB2	1:73:A:LEU:HD13	10	0.11
(1,918)	1:47:A:LEU:HD21	1:118:A:PHE:HA	9	0.11
(1,918)	1:47:A:LEU:HD22	1:118:A:PHE:HA	9	0.11
(1,918)	1:47:A:LEU:HD23	1:118:A:PHE:HA	9	0.11
(1,839)	1:75:A:LEU:HD11	1:111:A:ALA:HB1	11	0.11
(1,839)	1:75:A:LEU:HD11	1:111:A:ALA:HB2	11	0.11
(1,839)	1:75:A:LEU:HD11	1:111:A:ALA:HB3	11	0.11
(1,839)	1:75:A:LEU:HD12	1:111:A:ALA:HB1	11	0.11
(1,839)	1:75:A:LEU:HD12	1:111:A:ALA:HB2	11	0.11
(1,839)	1:75:A:LEU:HD12	1:111:A:ALA:HB3	11	0.11
(1,839)	1:75:A:LEU:HD13	1:111:A:ALA:HB1	11	0.11
(1,839)	1:75:A:LEU:HD13	1:111:A:ALA:HB2	11	0.11
(1,839)	1:75:A:LEU:HD13	1:111:A:ALA:HB3	11	0.11
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	1	0.11
(1,797)	1:107:A:SER:HA	1:108:A:PRO:HD2	6	0.11
(1,794)	1:34:A:LEU:HD11	1:108:A:PRO:HA	2	0.11
(1,794)	1:34:A:LEU:HD12	1:108:A:PRO:HA	2	0.11
(1,794)	1:34:A:LEU:HD13	1:108:A:PRO:HA	2	0.11
(1,781)	1:107:A:SER:H	1:107:A:SER:HB2	8	0.11
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	12	0.11
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	12	0.11
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	12	0.11
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG21	12	0.11
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG22	12	0.11
(1,764)	1:76:A:LEU:H	1:105:A:VAL:HG23	12	0.11
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	11	0.11
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	11	0.11
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	11	0.11
(1,746)	1:104:A:LYS:HB3	1:104:A:LYS:HD2	14	0.11
(1,728)	1:103:A:ARG:HB2	1:103:A:ARG:HD2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:99:A:PRO:HD3	1:99:A:PRO:HG2	12	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	4	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	5	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	10	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	12	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	13	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	15	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	16	0.11
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	20	0.11
(1,642)	1:98:A:LEU:HB2	1:93:A:ALA:HA	16	0.11
(1,606)	1:91:A:LYS:HA	1:94:A:ARG:HD2	8	0.11
(1,569)	1:86:A:LYS:HA	1:86:A:LYS:HD2	7	0.11
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	1	0.11
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	2	0.11
(1,556)	1:86:A:LYS:H	1:85:A:VAL:HB	8	0.11
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	6	0.11
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	8	0.11
(1,543)	1:84:A:LYS:H	1:83:A:ASP:HB3	12	0.11
(1,509)	1:36:A:GLU:HA	1:36:A:GLU:HG2	6	0.11
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD11	1	0.11
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD12	1	0.11
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD13	1	0.11
(1,486)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	5	0.11
(1,486)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	5	0.11
(1,486)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	5	0.11
(1,483)	1:76:A:LEU:HA	1:76:A:LEU:HB2	12	0.11
(1,471)	1:75:A:LEU:HD21	1:114:A:TRP:HB2	17	0.11
(1,471)	1:75:A:LEU:HD22	1:114:A:TRP:HB2	17	0.11
(1,471)	1:75:A:LEU:HD23	1:114:A:TRP:HB2	17	0.11
(1,455)	1:74:A:VAL:HG11	1:102:A:ILE:HG12	20	0.11
(1,455)	1:74:A:VAL:HG12	1:102:A:ILE:HG12	20	0.11
(1,455)	1:74:A:VAL:HG13	1:102:A:ILE:HG12	20	0.11
(1,430)	1:74:A:VAL:H	1:73:A:LEU:HD21	8	0.11
(1,430)	1:74:A:VAL:H	1:73:A:LEU:HD22	8	0.11
(1,430)	1:74:A:VAL:H	1:73:A:LEU:HD23	8	0.11
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	1	0.11
(1,381)	1:70:A:VAL:HA	1:70:A:VAL:HG11	15	0.11
(1,381)	1:70:A:VAL:HA	1:70:A:VAL:HG12	15	0.11
(1,381)	1:70:A:VAL:HA	1:70:A:VAL:HG13	15	0.11
(1,327)	1:63:A:LEU:HA	1:63:A:LEU:HD21	15	0.11
(1,327)	1:63:A:LEU:HA	1:63:A:LEU:HD22	15	0.11
(1,327)	1:63:A:LEU:HA	1:63:A:LEU:HD23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	16	0.11
(1,307)	1:60:A:GLU:HA	1:60:A:GLU:HB2	18	0.11
(1,262)	1:56:A:ASP:H	1:56:A:ASP:HB2	17	0.11
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	15	0.11
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD21	17	0.11
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD22	17	0.11
(1,242)	1:52:A:LEU:HB3	1:52:A:LEU:HD23	17	0.11
(1,235)	1:51:A:THR:HA	1:51:A:THR:HG1	13	0.11
(1,204)	1:47:A:LEU:HB2	1:47:A:LEU:HD21	3	0.11
(1,204)	1:47:A:LEU:HB2	1:47:A:LEU:HD22	3	0.11
(1,204)	1:47:A:LEU:HB2	1:47:A:LEU:HD23	3	0.11
(1,151)	1:94:A:ARG:HB2	1:94:A:ARG:HA	7	0.11
(1,150)	1:94:A:ARG:H	1:94:A:ARG:HB2	6	0.11
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	1	0.11
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	20	0.11
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	20	0.11
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	20	0.11
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD21	15	0.11
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD22	15	0.11
(1,66)	1:27:A:ILE:HG21	1:49:A:LEU:HD23	15	0.11
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD21	15	0.11
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD22	15	0.11
(1,66)	1:27:A:ILE:HG22	1:49:A:LEU:HD23	15	0.11
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD21	15	0.11
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD22	15	0.11
(1,66)	1:27:A:ILE:HG23	1:49:A:LEU:HD23	15	0.11
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD21	5	0.11
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD22	5	0.11
(1,56)	1:26:A:LEU:HA	1:26:A:LEU:HD23	5	0.11
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	3	0.11
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	7	0.11
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	12	0.11
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD1	2	0.11
(1,39)	1:25:A:VAL:HG11	1:118:A:PHE:HD2	2	0.11
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD1	2	0.11
(1,39)	1:25:A:VAL:HG12	1:118:A:PHE:HD2	2	0.11
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD1	2	0.11
(1,39)	1:25:A:VAL:HG13	1:118:A:PHE:HD2	2	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG11	15	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG12	15	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG13	15	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG11	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG12	18	0.11
(1,38)	1:25:A:VAL:HA	1:25:A:VAL:HG13	18	0.11
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	6	0.11
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	8	0.11
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	10	0.11
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD11	13	0.11
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD12	13	0.11
(1,16)	1:49:A:LEU:HA	1:49:A:LEU:HD13	13	0.11
(1,5)	1:23:A:LEU:HB2	1:23:A:LEU:HA	5	0.11
(2,2738)	1:111:A:ALA:HB1	1:112:A:LYS:H	10	0.1
(2,2738)	1:111:A:ALA:HB2	1:112:A:LYS:H	10	0.1
(2,2738)	1:111:A:ALA:HB3	1:112:A:LYS:H	10	0.1
(2,2724)	1:111:A:ALA:H	1:112:A:LYS:HD3	15	0.1
(2,2698)	1:106:A:THR:HG1	1:107:A:SER:H	16	0.1
(2,2686)	1:106:A:THR:H	1:110:A:GLU:HG2	8	0.1
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	7	0.1
(2,2667)	1:103:A:ARG:HA	1:104:A:LYS:H	12	0.1
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	4	0.1
(2,2652)	1:101:A:ARG:HA	1:102:A:ILE:H	12	0.1
(2,2650)	1:102:A:ILE:HD11	1:101:A:ARG:H	7	0.1
(2,2650)	1:102:A:ILE:HD12	1:101:A:ARG:H	7	0.1
(2,2650)	1:102:A:ILE:HD13	1:101:A:ARG:H	7	0.1
(2,2622)	1:94:A:ARG:HD2	1:95:A:LYS:H	3	0.1
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	1	0.1
(2,2613)	1:94:A:ARG:H	1:95:A:LYS:HA	17	0.1
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG21	17	0.1
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG22	17	0.1
(2,2594)	1:91:A:LYS:H	1:89:A:ILE:HG23	17	0.1
(2,2593)	1:93:A:ALA:HB1	1:91:A:LYS:H	7	0.1
(2,2593)	1:93:A:ALA:HB2	1:91:A:LYS:H	7	0.1
(2,2593)	1:93:A:ALA:HB3	1:91:A:LYS:H	7	0.1
(2,2544)	1:84:A:LYS:HB2	1:85:A:VAL:H	10	0.1
(2,2541)	1:76:A:LEU:HD21	1:85:A:VAL:H	2	0.1
(2,2541)	1:76:A:LEU:HD22	1:85:A:VAL:H	2	0.1
(2,2541)	1:76:A:LEU:HD23	1:85:A:VAL:H	2	0.1
(2,2506)	1:77:A:GLU:HG3	1:79:A:THR:H	6	0.1
(2,2491)	1:77:A:GLU:HA	1:78:A:ASP:H	18	0.1
(2,2490)	1:78:A:ASP:H	1:105:A:VAL:H	15	0.1
(2,2470)	1:103:A:ARG:HD3	1:114:A:TRP:HE1	19	0.1
(2,2469)	1:110:A:GLU:HB2	1:114:A:TRP:HE1	12	0.1
(2,2457)	1:28:A:TRP:HB2	1:77:A:GLU:H	4	0.1
(2,2452)	1:29:A:SER:HA	1:77:A:GLU:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:100:A:VAL:HA	1:74:A:VAL:H	13	0.1
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	11	0.1
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	11	0.1
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD1	15	0.1
(2,2427)	1:73:A:LEU:H	1:118:A:PHE:HD2	15	0.1
(2,2415)	1:24:A:LEU:HB3	1:72:A:ILE:H	11	0.1
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	6	0.1
(2,2414)	1:71:A:LYS:HA	1:72:A:ILE:H	17	0.1
(2,2355)	1:53:A:GLU:HA	1:54:A:THR:H	8	0.1
(2,2302)	1:43:A:GLU:HB2	1:44:A:LYS:H	3	0.1
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB1	20	0.1
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB2	20	0.1
(2,2287)	1:42:A:ALA:H	1:45:A:ALA:HB3	20	0.1
(2,2286)	1:40:A:LYS:HB2	1:42:A:ALA:H	14	0.1
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD11	6	0.1
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD12	6	0.1
(2,2256)	1:39:A:ARG:H	1:115:A:ILE:HD13	6	0.1
(2,2175)	1:29:A:SER:HA	1:30:A:ASN:H	11	0.1
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	8	0.1
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	8	0.1
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD1	19	0.1
(2,2171)	1:48:A:TYR:H	1:48:A:TYR:HD2	19	0.1
(2,2139)	1:25:A:VAL:HG21	1:26:A:LEU:H	18	0.1
(2,2139)	1:25:A:VAL:HG22	1:26:A:LEU:H	18	0.1
(2,2139)	1:25:A:VAL:HG23	1:26:A:LEU:H	18	0.1
(2,2135)	1:25:A:VAL:HA	1:26:A:LEU:H	11	0.1
(2,2123)	1:23:A:LEU:HA	1:24:A:LEU:H	15	0.1
(2,2060)	1:37:A:GLU:HB3	1:37:A:GLU:H	18	0.1
(2,2056)	1:37:A:GLU:HG3	1:37:A:GLU:H	16	0.1
(2,2045)	1:117:A:GLU:H	1:117:A:GLU:HB3	4	0.1
(2,2045)	1:117:A:GLU:H	1:117:A:GLU:HB3	14	0.1
(2,2036)	1:84:A:LYS:H	1:84:A:LYS:HG2	20	0.1
(2,2012)	1:119:A:SER:H	1:119:A:SER:HB2	9	0.1
(2,1987)	1:50:A:LEU:H	1:50:A:LEU:HB2	14	0.1
(2,1986)	1:50:A:LEU:HA	1:50:A:LEU:H	19	0.1
(2,1965)	1:116:A:LYS:H	1:116:A:LYS:HG3	3	0.1
(2,1954)	1:112:A:LYS:HB3	1:112:A:LYS:H	16	0.1
(2,1939)	1:86:A:LYS:H	1:86:A:LYS:HB3	2	0.1
(2,1919)	1:36:A:GLU:HB3	1:36:A:GLU:H	4	0.1
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	4	0.1
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	15	0.1
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	17	0.1
(2,1895)	1:107:A:SER:H	1:107:A:SER:HA	20	0.1
(2,1888)	1:105:A:VAL:H	1:105:A:VAL:HA	18	0.1
(2,1883)	1:104:A:LYS:H	1:104:A:LYS:HB2	12	0.1
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	4	0.1
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	9	0.1
(2,1869)	1:102:A:ILE:HA	1:102:A:ILE:H	13	0.1
(2,1858)	1:98:A:LEU:HD21	1:98:A:LEU:H	18	0.1
(2,1858)	1:98:A:LEU:HD22	1:98:A:LEU:H	18	0.1
(2,1858)	1:98:A:LEU:HD23	1:98:A:LEU:H	18	0.1
(2,1849)	1:89:A:ILE:HG21	1:89:A:ILE:H	17	0.1
(2,1849)	1:89:A:ILE:HG22	1:89:A:ILE:H	17	0.1
(2,1849)	1:89:A:ILE:HG23	1:89:A:ILE:H	17	0.1
(2,1844)	1:85:A:VAL:HG21	1:85:A:VAL:H	12	0.1
(2,1844)	1:85:A:VAL:HG22	1:85:A:VAL:H	12	0.1
(2,1844)	1:85:A:VAL:HG23	1:85:A:VAL:H	12	0.1
(2,1833)	1:75:A:LEU:HD21	1:75:A:LEU:H	12	0.1
(2,1833)	1:75:A:LEU:HD22	1:75:A:LEU:H	12	0.1
(2,1833)	1:75:A:LEU:HD23	1:75:A:LEU:H	12	0.1
(2,1833)	1:75:A:LEU:HD21	1:75:A:LEU:H	14	0.1
(2,1833)	1:75:A:LEU:HD22	1:75:A:LEU:H	14	0.1
(2,1833)	1:75:A:LEU:HD23	1:75:A:LEU:H	14	0.1
(2,1821)	1:72:A:ILE:HG13	1:72:A:ILE:H	2	0.1
(2,1818)	1:71:A:LYS:HD2	1:71:A:LYS:H	10	0.1
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	5	0.1
(2,1815)	1:71:A:LYS:HB2	1:71:A:LYS:H	8	0.1
(2,1812)	1:70:A:VAL:HG21	1:70:A:VAL:H	16	0.1
(2,1812)	1:70:A:VAL:HG22	1:70:A:VAL:H	16	0.1
(2,1812)	1:70:A:VAL:HG23	1:70:A:VAL:H	16	0.1
(2,1807)	1:67:A:GLY:HA2	1:67:A:GLY:H	7	0.1
(2,1806)	1:66:A:LEU:HD11	1:66:A:LEU:H	11	0.1
(2,1806)	1:66:A:LEU:HD12	1:66:A:LEU:H	11	0.1
(2,1806)	1:66:A:LEU:HD13	1:66:A:LEU:H	11	0.1
(2,1795)	1:63:A:LEU:HB3	1:63:A:LEU:H	19	0.1
(2,1777)	1:51:A:THR:HG1	1:51:A:THR:H	12	0.1
(2,1767)	1:47:A:LEU:HG	1:47:A:LEU:H	11	0.1
(2,1740)	1:30:A:ASN:HB3	1:30:A:ASN:H	14	0.1
(2,1736)	1:28:A:TRP:HB2	1:28:A:TRP:H	19	0.1
(2,1734)	1:27:A:ILE:HG21	1:27:A:ILE:H	3	0.1
(2,1734)	1:27:A:ILE:HG22	1:27:A:ILE:H	3	0.1
(2,1734)	1:27:A:ILE:HG23	1:27:A:ILE:H	3	0.1
(2,1723)	1:25:A:VAL:HB	1:25:A:VAL:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1718)	1:24:A:LEU:HB3	1:24:A:LEU:H	6	0.1
(2,1707)	1:117:A:GLU:H	1:118:A:PHE:H	4	0.1
(2,1614)	1:87:A:LYS:H	1:86:A:LYS:H	17	0.1
(2,1559)	1:60:A:GLU:HG2	1:60:A:GLU:HA	1	0.1
(2,1547)	1:58:A:LYS:HA	1:59:A:ILE:H	19	0.1
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG21	10	0.1
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG22	10	0.1
(2,1486)	1:24:A:LEU:HG	1:62:A:ILE:HG23	10	0.1
(2,1447)	1:120:A:GLU:HB3	1:120:A:GLU:H	4	0.1
(2,1428)	1:119:A:SER:HA	1:119:A:SER:HB2	17	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	1	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	4	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	6	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	11	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	13	0.1
(2,1406)	1:118:A:PHE:HA	1:118:A:PHE:HB2	16	0.1
(2,1363)	1:118:A:PHE:HB3	1:115:A:ILE:HA	16	0.1
(2,1340)	1:113:A:ARG:HA	1:113:A:ARG:HD2	19	0.1
(2,1291)	1:105:A:VAL:HG11	1:110:A:GLU:HB2	10	0.1
(2,1291)	1:105:A:VAL:HG12	1:110:A:GLU:HB2	10	0.1
(2,1291)	1:105:A:VAL:HG13	1:110:A:GLU:HB2	10	0.1
(2,1262)	1:108:A:PRO:HG2	1:108:A:PRO:HA	11	0.1
(2,1244)	1:108:A:PRO:HA	1:112:A:LYS:HD2	14	0.1
(2,1196)	1:105:A:VAL:HB	1:105:A:VAL:H	6	0.1
(2,1195)	1:105:A:VAL:HB	1:107:A:SER:H	13	0.1
(2,1193)	1:106:A:THR:HA	1:105:A:VAL:HB	9	0.1
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	4	0.1
(2,1167)	1:105:A:VAL:H	1:104:A:LYS:HB2	9	0.1
(2,1021)	1:99:A:PRO:HB2	1:100:A:VAL:H	7	0.1
(2,1019)	1:100:A:VAL:HG11	1:99:A:PRO:HA	8	0.1
(2,1019)	1:100:A:VAL:HG12	1:99:A:PRO:HA	8	0.1
(2,1019)	1:100:A:VAL:HG13	1:99:A:PRO:HA	8	0.1
(2,1019)	1:100:A:VAL:HG11	1:99:A:PRO:HA	18	0.1
(2,1019)	1:100:A:VAL:HG12	1:99:A:PRO:HA	18	0.1
(2,1019)	1:100:A:VAL:HG13	1:99:A:PRO:HA	18	0.1
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	5	0.1
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	5	0.1
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	5	0.1
(2,1009)	1:98:A:LEU:HD21	1:99:A:PRO:HB2	20	0.1
(2,1009)	1:98:A:LEU:HD22	1:99:A:PRO:HB2	20	0.1
(2,1009)	1:98:A:LEU:HD23	1:99:A:PRO:HB2	20	0.1
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,950)	1:91:A:LYS:H	1:91:A:LYS:HA	11	0.1
(2,937)	1:89:A:ILE:HG21	1:93:A:ALA:H	16	0.1
(2,937)	1:89:A:ILE:HG22	1:93:A:ALA:H	16	0.1
(2,937)	1:89:A:ILE:HG23	1:93:A:ALA:H	16	0.1
(2,894)	1:86:A:LYS:HA	1:89:A:ILE:HB	15	0.1
(2,866)	1:85:A:VAL:HG21	1:85:A:VAL:HA	10	0.1
(2,866)	1:85:A:VAL:HG22	1:85:A:VAL:HA	10	0.1
(2,866)	1:85:A:VAL:HG23	1:85:A:VAL:HA	10	0.1
(2,853)	1:83:A:ASP:HB3	1:83:A:ASP:H	10	0.1
(2,797)	1:77:A:GLU:HB2	1:78:A:ASP:H	2	0.1
(2,728)	1:74:A:VAL:HG21	1:75:A:LEU:HA	19	0.1
(2,728)	1:74:A:VAL:HG22	1:75:A:LEU:HA	19	0.1
(2,728)	1:74:A:VAL:HG23	1:75:A:LEU:HA	19	0.1
(2,694)	1:73:A:LEU:HD21	1:101:A:ARG:HD2	4	0.1
(2,694)	1:73:A:LEU:HD22	1:101:A:ARG:HD2	4	0.1
(2,694)	1:73:A:LEU:HD23	1:101:A:ARG:HD2	4	0.1
(2,657)	1:72:A:ILE:HD11	1:72:A:ILE:H	7	0.1
(2,657)	1:72:A:ILE:HD12	1:72:A:ILE:H	7	0.1
(2,657)	1:72:A:ILE:HD13	1:72:A:ILE:H	7	0.1
(2,649)	1:72:A:ILE:HG13	1:72:A:ILE:HA	19	0.1
(2,627)	1:70:A:VAL:HG11	1:70:A:VAL:H	19	0.1
(2,627)	1:70:A:VAL:HG12	1:70:A:VAL:H	19	0.1
(2,627)	1:70:A:VAL:HG13	1:70:A:VAL:H	19	0.1
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG11	19	0.1
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG12	19	0.1
(2,618)	1:23:A:LEU:HD11	1:70:A:VAL:HG13	19	0.1
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG11	19	0.1
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG12	19	0.1
(2,618)	1:23:A:LEU:HD12	1:70:A:VAL:HG13	19	0.1
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG11	19	0.1
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG12	19	0.1
(2,618)	1:23:A:LEU:HD13	1:70:A:VAL:HG13	19	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	6	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	6	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	6	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD11	19	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD12	19	0.1
(2,537)	1:66:A:LEU:HB3	1:63:A:LEU:HD13	19	0.1
(2,468)	1:100:A:VAL:HG11	1:90:A:GLU:HA	16	0.1
(2,468)	1:100:A:VAL:HG12	1:90:A:GLU:HA	16	0.1
(2,468)	1:100:A:VAL:HG13	1:90:A:GLU:HA	16	0.1
(2,428)	1:59:A:ILE:HA	1:62:A:ILE:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:52:A:LEU:HD11	1:52:A:LEU:HA	5	0.1
(2,403)	1:52:A:LEU:HD12	1:52:A:LEU:HA	5	0.1
(2,403)	1:52:A:LEU:HD13	1:52:A:LEU:HA	5	0.1
(2,389)	1:50:A:LEU:HB2	1:51:A:THR:H	1	0.1
(2,382)	1:117:A:GLU:HA	1:117:A:GLU:HG2	12	0.1
(2,286)	1:42:A:ALA:HA	1:45:A:ALA:H	9	0.1
(2,280)	1:42:A:ALA:HA	1:47:A:LEU:HG	10	0.1
(2,259)	1:117:A:GLU:HA	1:117:A:GLU:HB3	1	0.1
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	10	0.1
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	13	0.1
(2,255)	1:117:A:GLU:HA	1:117:A:GLU:H	16	0.1
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD11	9	0.1
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD12	9	0.1
(2,248)	1:39:A:ARG:HA	1:49:A:LEU:HD13	9	0.1
(2,245)	1:39:A:ARG:HA	1:39:A:ARG:HG2	15	0.1
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD11	16	0.1
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD12	16	0.1
(2,194)	1:34:A:LEU:HA	1:34:A:LEU:HD13	16	0.1
(2,171)	1:34:A:LEU:HA	1:34:A:LEU:HB3	8	0.1
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	3	0.1
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	10	0.1
(2,150)	1:32:A:LYS:HA	1:33:A:LYS:H	12	0.1
(2,78)	1:26:A:LEU:HA	1:26:A:LEU:HG	1	0.1
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD11	15	0.1
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD12	15	0.1
(2,39)	1:24:A:LEU:HB2	1:66:A:LEU:HD13	15	0.1
(1,2140)	1:55:A:ASP:H	1:55:A:ASP:HB2	3	0.1
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG21	14	0.1
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG22	14	0.1
(1,2073)	1:88:A:GLU:H	1:89:A:ILE:HG23	14	0.1
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG11	10	0.1
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG12	10	0.1
(1,1975)	1:112:A:LYS:H	1:105:A:VAL:HG13	10	0.1
(1,1751)	1:83:A:ASP:H	1:84:A:LYS:HD2	15	0.1
(1,1698)	1:62:A:ILE:H	1:61:A:ASP:HB3	1	0.1
(1,1698)	1:62:A:ILE:H	1:61:A:ASP:HB3	2	0.1
(1,1674)	1:87:A:LYS:H	1:87:A:LYS:HG2	16	0.1
(1,1673)	1:57:A:LYS:H	1:57:A:LYS:HG3	17	0.1
(1,1645)	1:44:A:LYS:H	1:44:A:LYS:HG2	19	0.1
(1,1614)	1:42:A:ALA:H	1:47:A:LEU:HG	9	0.1
(1,1498)	1:117:A:GLU:H	1:117:A:GLU:HG2	2	0.1
(1,1468)	1:115:A:ILE:H	1:113:A:ARG:HG3	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD11	9	0.1
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD12	9	0.1
(1,1259)	1:115:A:ILE:H	1:73:A:LEU:HD13	9	0.1
(1,1187)	1:91:A:LYS:H	1:91:A:LYS:HD2	7	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	18	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	18	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	18	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG21	20	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG22	20	0.1
(1,965)	1:62:A:ILE:HG12	1:62:A:ILE:HG23	20	0.1
(1,910)	1:117:A:GLU:H	1:117:A:GLU:HB2	3	0.1
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG11	13	0.1
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG12	13	0.1
(1,769)	1:105:A:VAL:HA	1:105:A:VAL:HG13	13	0.1
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG21	17	0.1
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG22	17	0.1
(1,763)	1:105:A:VAL:H	1:105:A:VAL:HG23	17	0.1
(1,667)	1:98:A:LEU:HA	1:99:A:PRO:HD3	20	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	2	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	3	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	6	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	9	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	17	0.1
(1,656)	1:99:A:PRO:HA	1:99:A:PRO:HB3	19	0.1
(1,639)	1:97:A:ASN:H	1:97:A:ASN:HB3	10	0.1
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD11	6	0.1
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD12	6	0.1
(1,491)	1:86:A:LYS:H	1:76:A:LEU:HD13	6	0.1
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD11	13	0.1
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD12	13	0.1
(1,469)	1:75:A:LEU:HB2	1:75:A:LEU:HD13	13	0.1
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD11	15	0.1
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD12	15	0.1
(1,467)	1:38:A:ALA:HB1	1:75:A:LEU:HD13	15	0.1
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD11	15	0.1
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD12	15	0.1
(1,467)	1:38:A:ALA:HB2	1:75:A:LEU:HD13	15	0.1
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD11	15	0.1
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD12	15	0.1
(1,467)	1:38:A:ALA:HB3	1:75:A:LEU:HD13	15	0.1
(1,464)	1:27:A:ILE:HB	1:75:A:LEU:HB3	11	0.1
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD21	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD22	17	0.1
(1,456)	1:75:A:LEU:HA	1:75:A:LEU:HD23	17	0.1
(1,397)	1:71:A:LYS:H	1:71:A:LYS:HB2	11	0.1
(1,253)	1:76:A:LEU:HA	1:76:A:LEU:HB2	11	0.1
(1,232)	1:51:A:THR:H	1:51:A:THR:HB	4	0.1
(1,205)	1:47:A:LEU:HB3	1:47:A:LEU:HD11	2	0.1
(1,205)	1:47:A:LEU:HB3	1:47:A:LEU:HD12	2	0.1
(1,205)	1:47:A:LEU:HB3	1:47:A:LEU:HD13	2	0.1
(1,151)	1:94:A:ARG:HB2	1:94:A:ARG:HA	4	0.1
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	6	0.1
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	7	0.1
(1,131)	1:43:A:GLU:H	1:43:A:GLU:HB2	19	0.1
(1,111)	1:34:A:LEU:HD11	1:108:A:PRO:HA	13	0.1
(1,111)	1:34:A:LEU:HD12	1:108:A:PRO:HA	13	0.1
(1,111)	1:34:A:LEU:HD13	1:108:A:PRO:HA	13	0.1
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD11	8	0.1
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD12	8	0.1
(1,105)	1:34:A:LEU:HB3	1:34:A:LEU:HD13	8	0.1
(1,54)	1:26:A:LEU:HD21	1:50:A:LEU:HB2	3	0.1
(1,54)	1:26:A:LEU:HD22	1:50:A:LEU:HB2	3	0.1
(1,54)	1:26:A:LEU:HD23	1:50:A:LEU:HB2	3	0.1
(1,44)	1:26:A:LEU:HA	1:26:A:LEU:HB3	20	0.1
(1,34)	1:24:A:LEU:HD11	1:25:A:VAL:HA	16	0.1
(1,34)	1:24:A:LEU:HD12	1:25:A:VAL:HA	16	0.1
(1,34)	1:24:A:LEU:HD13	1:25:A:VAL:HA	16	0.1
(1,31)	1:34:A:LEU:HA	1:34:A:LEU:HG	20	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found